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RESEARCH**

APPLICATION NUMBER:

205750Orig1s000

PROPRIETARY NAME REVIEW(S)

**Department of Health and Human Services
Public Health Service
Food and Drug Administration
Center for Drug Evaluation and Research
Office of Surveillance and Epidemiology
Office of Medication Error Prevention and Risk Management**

Proprietary Name Review

Date: February 11, 2014

Reviewer: Terri Wood-Cummings, MD
Division of Medication Error Prevention and Analysis

Team Leader: Lubna Merchant, M.S., Pharm.D
Division of Medication Error Prevention and Analysis

Drug Name and Strength: Cholbam (Cholic Acid) Capsules, 50 mg, 250 mg

Application Type/Number: NDA 0205750

Applicant/Sponsor: Asklepion Pharmaceuticals, LLC

OSE RCM #: 2013-2741

*** This document contains proprietary and confidential information that should not be released to the public.***

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1 INTRODUCTION

This review evaluates the proposed proprietary name, Cholbam, from a safety and promotional perspective. The sources and methods used to evaluate the proposed name are outlined in the reference section and Appendix A respectively.

1.1 PRODUCT INFORMATION

The following product information is provided in the December 3, 2013 proprietary name submission.

- Active Ingredient: Cholic Acid
- Indication of Use: (b) (4)
- Route of Administration: Oral
- Dosage Form: Capsules
- Strength: 50 mg, 250 mg
- Dose and Frequency: The recommended pediatric (b) (4) and adult starting dose is 10 to 15 mg/kg orally with food once daily. (b) (4)
- How Supplied: Bottles of 90 capsules (each strength).
- Storage: Store at room temperature 20°C to 25°C ((b) (4) °C to 77°F). Temperature excursions are permitted between 15°C to 30°C (59°F to 86°F).
- Container and Closure Systems: White HDPE Bottles with a nominal capacity of 185 mL closed with an (b) (4) HDPE grooved screw cap.

2 RESULTS

The following sections provide information obtained and considered in the overall evaluation of the proposed proprietary name.

2.1 PROMOTIONAL ASSESSMENT OF PROPOSED PROPRIETARY NAME

The Office of Prescription Drug Promotion (OPDP) determined the proposed name is acceptable from a promotional perspective. DMEPA and the Division of Gastroenterology and Inborn Errors Products (DGIEP) concurred with the findings of OPDP's promotional assessment of the proposed name.

2.2 SAFETY ASSESSMENT OF PROPOSED PROPRIETARY NAME

The following aspects were considered in the safety evaluation of the name.

2.2.1 United States Adopted Names (USAN) SEARCH

The December 17, 2013 search of the United States Adopted Name (USAN) stems did not identify that a USAN stem is present in the proposed proprietary name.

2.2.2 Components of the Proposed Proprietary Name

The Applicant indicated in their submission that the proposed name, Cholbam, is derived from a combination of “Chol-” (from the active ingredient, cholic acid) plus “BAM” (to represent bile acid metabolism). DMEPA forwarded this derivation to OPDP and OGD on December 13, 2013 via email. OGD and OPDP did not express any concerns with the Applicant’s derivation of the name.

Cholbam is comprised of a single word that does not contain any components (i.e. a modifier, route of administration, dosage form, etc.) that are misleading or can contribute to medication error.

2.2.3 FDA Name Simulation Studies

Fifty-nine practitioners participated in DMEPA’s prescription studies. One verbal prescription participant’s response was Coban, a currently marketed, over-the-counter line of topical bandages. The responses, Cobam, and Kobam, from 2 additional verbal prescription participants were also similar to this product. We included this product in our analysis of the proprietary name. The remaining participants' interpretations did not overlap with any currently marketed products nor did the misinterpretations sound or look similar to any currently marketed products or any products in the pipeline.

Twenty-nine (15 outpatient and 10 inpatient) prescription participants responded correctly to Cholbam. The common misinterpretations in the written prescription study were (e.g., “ai” or “au” for “a,” and “n” or “ni” for “m”).

Although no verbal prescription participants responded correctly to Cholbam, the most common misinterpretations were omission of “h” and substitution of “n” for “m.” These variations were considered in our evaluation of the proprietary name (see Appendix B). Appendix C contains the results from the verbal and written prescription studies.

2.2.4 Comments from Other Review Disciplines at Initial Review

In response to the OSE, December 12, 2013 e-mail, the Division of Gastroenterology and Inborn Errors Products (DGIEP) did not forward any comments or concerns relating to the proposed proprietary name at the initial phase of the review.

2.2.5 Failure Mode and Effects Analysis of Similar Names

Appendix B lists possible orthographic and phonetic misinterpretations of the letters appearing in the proposed proprietary name, Cholbam. Table 1 lists the names with potential orthographic, phonetic, or spelling similarity to the proposed proprietary name, Cholbam identified by the primary reviewer, the Expert Panel Discussion (EPD), and other review disciplines. Table 1 also includes the names identified from the FDA Prescription Simulation ^{(b) (4)} for Asklepiion Pharmaceuticals, LLC not previously identified by DMEPA which require further evaluation.

Table 1: Collective List of Potentially Similar Names (DMEPA, EPD, Other Disciplines, and (b) (4) External Name Study)					
Look Similar					
<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>
Balm	External	Choledyl SA	External	(b) (4) ***	FDA
Carbachol	FDA	Cholera vaccine	FDA	Cloderm	FDA
Chitosan	FDA	Cholestyramine	External	Crolom	FDA
Chloride	External	Choletec	FDA	Diotame	FDA
Cholac	FDA	Choline	FDA	Diovan	FDA
Sound Similar					
<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>
Comtan	FDA	Corgard	External	Coban	FDA
Look and Sound Similar					
<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>	<i>Name</i>	<i>Source</i>
Chloroquine	External	Calbon	FDA	Drolban	FDA
Cholan-HBM	FDA	Cholesterol	External		
Cholbam***	FDA	Clobazam	External, FDA		

Our analysis of the 25 names contained in Table 1 considered the information obtained in the previous sections along with their product characteristics. We determined the 25 names will not pose a risk for confusion as described in Appendices D through E.

2.2.6 Communication of DMEPA's Analysis at Midpoint of Review

DMEPA communicated our findings to the Division of Gastroenterology and Inborn Errors Products via e-mail on February 3, 2014. At that time we also requested additional information or concerns that could inform our review. Per e-mail correspondence from the Division of Gastroenterology and Inborn Errors Products on February 10, 2014, they stated no additional concerns with the proposed proprietary name, Cholbam.

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3 CONCLUSIONS

The proposed proprietary name is acceptable from both a promotional and safety perspective.

If you have further questions or need clarifications, please contact Phong Do, OSE project manager, at 301-796-4795.

3.1 COMMENTS TO THE APPLICANT

We have completed our review of the proposed proprietary name, Cholbam, and have concluded that this name is acceptable.

If any of the proposed product characteristics as stated in your December 3, 2013 submission are altered, the name must be resubmitted for review.

4 REFERENCES

1. Micromedex Integrated Index (<http://csi.micromedex.com>)

Micromedex contains a variety of databases covering pharmacology, therapeutics, toxicology and diagnostics.

2. *Phonetic and Orthographic Computer Analysis (POCA)*

POCA is a database which was created for the Division of Medication Error Prevention and Analysis, FDA. As part of the name similarity assessment, proposed names are evaluated via a phonetic/orthographic algorithm. The proposed proprietary name is converted into its phonemic representation before it runs through the phonetic algorithm. Likewise, an orthographic algorithm exists which operates in a similar fashion.

3. Drug Facts and Comparisons, online version, St. Louis, MO
(<http://factsandcomparisons.com>)

Drug Facts and Comparisons is a compendium organized by therapeutic course; it contains monographs on prescription and OTC drugs, with charts comparing similar products. This database also lists the orphan drugs.

4. *FDA Document Archiving, Reporting & Regulatory Tracking System [DARRTS]*

DARRTS is a government database used to organize Applicant and Sponsor submissions as well as to store and organize assignments, reviews, and communications from the review divisions.

5. *Division of Medication Errors Prevention and Analysis proprietary name consultation requests*

This is a list of proposed and pending names that is generated by the Division of Medication Error Prevention and Analysis from the Access database/tracking system.

6. Drugs@FDA (<http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm>)

Drugs@FDA contains most of the drug products approved since 1939. The majority of labels, approval letters, reviews, and other information are available for drug products approved from 1998 to the present. Drugs@FDA contains official information about FDA approved brand name, generic drugs, therapeutic biological products, prescription and over-the-counter human drugs and discontinued drugs and "Chemical Type 6" approvals.

7. *U.S. Patent and Trademark Office* (<http://www.uspto.gov>)

USPTO provides information regarding patent and trademarks.

8. ***Clinical Pharmacology Online*** (www.clinicalpharmacology-ip.com)
Clinical Pharmacology contains full monographs for the most common drugs in clinical use, plus mini monographs covering investigational, less common, combination, nutraceutical and nutritional products. It also provides a keyword search engine.
9. ***Natural Medicines Comprehensive Databases*** (www.naturaldatabase.com)
Natural Medicines contains up-to-date clinical data on the natural medicines, herbal medicines, and dietary supplements used in the western world.
10. ***Access Medicine*** (www.accessmedicine.com)
Access Medicine® from McGraw-Hill contains full-text information from approximately 60 titles; it includes tables and references. Among the titles are: Harrison's Principles of Internal Medicine, Basic & Clinical Pharmacology, and Goodman and Gilman's The Pharmacologic Basis of Therapeutics.
11. ***USAN Stems*** (<http://www.ama-assn.org/ama/pub/about-ama/our-people/coalitions-consortiums/united-states-adopted-names-council/naming-guidelines/approved-stems.shtml>)
USAN Stems List contains all the recognized USAN stems.
12. ***Red Book*** (www.thomsonhc.com/home/dispatch)
Red Book contains prices and product information for prescription, over-the-counter drugs, medical devices, and accessories.
13. ***Lexi-Comp*** (www.lexi.com)
Lexi-Comp is a web-based searchable version of the Drug Information Handbook.
14. ***Medical Abbreviations*** (www.medilexicon.com)
Medical Abbreviations dictionary contains commonly used medical abbreviations and their definitions.
15. ***CVS/Pharmacy*** (www.CVS.com)
This database contains commonly used over the counter products not usually identified in other databases.
16. ***Walgreens*** (www.walgreens.com)
This database contains commonly used over the counter products not usually identified in other databases.
17. ***Rx List*** (www.rxlist.com)
RxList is an online medical resource dedicated to offering detailed and current pharmaceutical information on brand and generic drugs.

18. Dogpile (www.dogpile.com)

Dogpile is a [Metasearch](#) engine that searches multiple search engines including Google, Yahoo! and Bing, and returns the most relevant results to the search.

19. Natural Standard (<http://www.naturalstandard.com>)

Natural Standard is a resource that aggregates and synthesizes data on complementary and alternative medicine.

APPENDICES

Appendix A

FDA's Proprietary Name Risk Assessment considers the promotional and safety aspects of a proposed proprietary name. The promotional review of the proposed name is conducted by OPDP. OPDP evaluates proposed proprietary names to determine if they are overly fanciful, so as to misleadingly imply unique effectiveness or composition, as well as to assess whether they contribute to overstatement of product efficacy, minimization of risk, broadening of product indications, or making of unsubstantiated superiority claims. OPDP provides their opinion to DMEPA for consideration in the overall acceptability of the proposed proprietary name.

The safety assessment is conducted by DMEPA. DMEPA staff search a standard set of databases and information sources to identify names that are similar in pronunciation, spelling, and orthographically similar when scripted to the proposed proprietary name. Additionally, we consider inclusion of USAN stems or other characteristics that when incorporated into a proprietary name may cause or contribute to medication errors (i.e., dosing interval, dosage form/route of administration, medical or product name abbreviations, names that include or suggest the composition of the drug product, etc.). DMEPA defines a medication error as any preventable event that may cause or lead to inappropriate medication use or patient harm while the medication is in the control of the health care professional, patient, or consumer.¹

Following the preliminary screening of the proposed proprietary name, DMEPA gathers to discuss their professional opinions on the safety of the proposed proprietary name. This meeting is commonly referred to the Center for Drug Evaluation and Research (CDER) Expert Panel discussion. DMEPA also considers other aspects of the name that may be misleading from a safety perspective. DMEPA staff conducts a prescription simulation studies using FDA health care professionals. When provided, DMEPA considers external proprietary name studies conducted by or for the Applicant/Sponsor and incorporates the findings of these studies into the overall risk assessment.

The DMEPA primary reviewer assigned to evaluate the proposed proprietary name is responsible for considering the collective findings, and provides an overall risk assessment of the proposed proprietary name. DMEPA bases the overall risk assessment on the findings of a Failure Mode and Effects Analysis (FMEA) of the proprietary name and misleading nature of the proposed proprietary name with a focus on the avoidance of medication errors.

DMEPA uses the clinical expertise of its staff to anticipate the conditions of the clinical setting where the product is likely to be used based on the characteristics of the proposed product. DMEPA considers the product characteristics associated with the proposed product throughout the risk assessment because the product characteristics of the proposed may provide a context for communication of the drug name and ultimately determine the use of the product in the *usual* clinical practice setting.

¹ National Coordinating Council for Medication Error Reporting and Prevention. <http://www.nccmerp.org/aboutMedErrors.html>. Last accessed 10/11/2007.

Typical product characteristics considered when identifying drug names that could potentially be confused with the proposed proprietary name include, but are not limited to; established name of the proposed product, proposed indication of use, dosage form, route of administration, strength, unit of measure, dosage units, recommended dose, typical quantity or volume, frequency of administration, product packaging, storage conditions, patient population, and prescriber population. DMEPA considers how these product characteristics may or may not be present in communicating a product name throughout the medication use system. Because drug name confusion can occur at any point in the medication use process, DMEPA considers the potential for confusion throughout the entire U.S. medication use process, including drug procurement, prescribing and ordering, dispensing, administration, and monitoring the impact of the medication.²

The DMEPA considers the spelling of the name, pronunciation of the name when spoken, and appearance of the name when scripted. DMEPA compares the proposed proprietary name with the proprietary and established name of existing and proposed drug products and names currently under review at the FDA. DMEPA compares the pronunciation of the proposed proprietary name with the pronunciation of other drug names because verbal communication of medication names is common in clinical settings. DMEPA examines the phonetic similarity using patterns of speech. If provided, DMEPA will consider the Sponsor's intended pronunciation of the proprietary name. However, DMEPA also considers a variety of pronunciations that could occur in the English language because the Sponsor has little control over how the name will be spoken in clinical practice. The orthographic appearance of the proposed name is evaluated using a number of different handwriting samples. DMEPA applies expertise gained from root-cause analysis of postmarketing medication errors to identify sources of ambiguity within the name that could be introduced when scripting (e.g., "T" may look like "F," lower case 'a' looks like a lower case 'u,' etc). Additionally, other orthographic attributes that determine the overall appearance of the drug name when scripted (see Table 1 below for details).

² Institute of Medicine. Preventing Medication Errors. The National Academies Press: Washington DC. 2006.

Table 1. Criteria Used to Identify Drug Names that Look- or Sound-Similar to a Proposed Proprietary Name.

Type of Similarity	Considerations when Searching the Databases		
	<i>Potential Causes of Drug Name Similarity</i>	<i>Attributes Examined to Identify Similar Drug Names</i>	<i>Potential Effects</i>
Look-alike	Similar spelling	Identical prefix Identical infix Identical suffix Length of the name Overlapping product characteristics	<ul style="list-style-type: none"> Names may appear similar in print or electronic media and lead to drug name confusion in printed or electronic communication Names may look similar when scripted and lead to drug name confusion in written communication
	Orthographic similarity	Similar spelling Length of the name/Similar shape Upstrokes Down strokes Cross-strokes Dotted letters Ambiguity introduced by scripting letters Overlapping product characteristics	<ul style="list-style-type: none"> Names may look similar when scripted, and lead to drug name confusion in written communication
Sound-alike	Phonetic similarity	Identical prefix Identical infix Identical suffix Number of syllables Stresses Placement of vowel sounds Placement of consonant sounds Overlapping product characteristics	<ul style="list-style-type: none"> Names may sound similar when pronounced and lead to drug name confusion in verbal communication

Lastly, DMEPA considers the potential for the proposed proprietary name to inadvertently function as a source of error for reasons other than name confusion. Post-marketing experience has demonstrated that proprietary names (or components of the proprietary name) can be a source of error in a variety of ways. Consequently, DMEPA considers and evaluates these broader safety implications of the name throughout this assessment and the medication error staff provides additional comments related to the

safety of the proposed proprietary name or product based on professional experience with medication errors.

1. Database and Information Sources

DMEPA searches the internet, several standard published drug product reference texts, and FDA databases to identify existing and proposed drug names that may sound-alike or look-alike to the proposed proprietary name. A standard description of the databases used in the searches is provided in the reference section of this review. To complement the process, the DMEPA uses a computerized method of identifying phonetic and orthographic similarity between medication names. The program, Phonetic and Orthographic Computer Analysis (POCA), uses complex algorithms to select a list of names from a database that have some similarity (phonetic, orthographic, or both) to the trademark being evaluated. Lastly, DMEPA reviews the USAN stem list to determine if any USAN stems are present within the proprietary name. The individual findings of multiple safety evaluators are pooled and presented to the CDER Expert Panel. DMEPA also evaluates if there are characteristics included in the composition that may render the name unacceptable from a safety perspective (abbreviation, dosing interval, etc.).

2. Expert Panel Discussion

DMEPA gathers CDER professional opinions on the safety of the proposed product and discussed the proposed proprietary name (Expert Panel Discussion). The Expert Panel is composed of Division of Medication Errors Prevention (DMEPA) staff and representatives from the Office of Prescription Drug Promotion (OPDP). We also consider input from other review disciplines (OND, ONDQA/OBP). The Expert Panel also discusses potential concerns regarding drug marketing and promotion related to the proposed names.

The primary Safety Evaluator presents the pooled results of the database and information searches to the Expert Panel for consideration. Based on the clinical and professional experiences of the Expert Panel members, the Panel may recommend additional names, additional searches by the primary Safety Evaluator to supplement the pooled results, or general advice to consider when reviewing the proposed proprietary name.

3. FDA Prescription Simulation Studies

Three separate studies are conducted within the Centers of the FDA for the proposed proprietary name to determine the degree of confusion of the proposed proprietary name with marketed U.S. drug names (proprietary and established) due to similarity in visual appearance with handwritten prescriptions or verbal pronunciation of the drug name. The studies employ healthcare professionals (pharmacists, physicians, and nurses), and attempts to simulate the prescription ordering process. The primary Safety Evaluator uses the results to identify orthographic or phonetic vulnerability of the proposed name to be misinterpreted by healthcare practitioners.

In order to evaluate the potential for misinterpretation of the proposed proprietary name in handwriting and verbal communication of the name, inpatient medication orders and/or outpatient prescriptions are written, each consisting of a combination of marketed and unapproved drug products, including the proposed name. These orders are optically

scanned and one prescription is delivered to a random sample of participating health professionals via e-mail. In addition, a verbal prescription is recorded on voice mail. The voice mail messages are then sent to a random sample of the participating health professionals for their interpretations and review. After receiving either the written or verbal prescription orders, the participants record their interpretations of the orders which are recorded electronically.

4. Comments from Other Review Disciplines

DMEPA requests the Office of New Drugs (OND) and/or Office of Generic Drugs (OGD), ONDQA or OBP for their comments or concerns with the proposed proprietary name, ask for any clinical issues that may impact the DMEPA review during the initial phase of the name review. Additionally, when applicable, at the same time DMEPA requests concurrence/non-concurrence with OPDP's decision on the name. The primary Safety Evaluator addresses any comments or concerns in the safety evaluator's assessment.

The OND/OGD Regulatory Division is contacted a second time following our analysis of the proposed proprietary name. At this point, DMEPA conveys their decision to accept or reject the name. The OND or OGD Regulatory Division is requested to provide any further information that might inform DMEPA's final decision on the proposed name.

Additionally, other review disciplines opinions such as ONDQA or OBP may be considered depending on the proposed proprietary name.

5. Safety Evaluator Risk Assessment of the Proposed Proprietary Name

The primary Safety Evaluator applies his/her individual expertise gained from evaluating medication errors reported to FDA, considers all aspects of the name that may be misleading or confusing, conducts a Failure Mode and Effects Analysis, and provides an overall decision on acceptability dependent on their risk assessment of name confusion. Failure Mode and Effects Analysis (FMEA) is a systematic tool for evaluating a process and identifying where and how it might fail.³ When applying FMEA to assess the risk of a proposed proprietary name, DMEPA seeks to evaluate the potential for a proposed proprietary name to be confused with another drug name because of name confusion and, thereby, cause errors to occur in the medication use system. FMEA capitalizes on the predictable and preventable nature of medication errors associated with drug name confusion. FMEA allows the Agency to identify the potential for medication errors due to orthographically or phonetically similar drug names prior to approval, where actions to overcome these issues are easier and more effective than remedies available in the post-approval phase.

In order to perform an FMEA of the proposed name, the primary Safety Evaluator must analyze the use of the product at all points in the medication use system. Because the proposed product is has not been marketed, the primary Safety Evaluator anticipates the use of the product in the usual practice settings by considering the clinical and product

³ Institute for Healthcare Improvement (IHI). Failure Mode and Effects Analysis. Boston. IHI:2004.

characteristics listed in Section 1.2 of this review. The Safety Evaluator then analyzes the proposed proprietary name in the context of the usual practice setting and works to identify potential failure modes and the effects associated with the failure modes.

In the initial stage of the Risk Assessment, the Safety Evaluator compares the proposed proprietary name to all of the names gathered from the above searches, Expert Panel Discussion, and prescription studies, external studies, and identifies potential failure modes by asking:

“Is the proposed proprietary name convincingly similar to another drug name, which may cause practitioners to become confused at any point in the usual practice setting? And are there any components of the name that may function as a source of error beyond sound/look-alike?”

An affirmative answer indicates a failure mode and represents a potential for the proposed proprietary name to be confused with another proprietary or established drug name because of look- or sound-alike similarity or because of some other component of the name. If the answer to the question is no, the Safety Evaluator is not convinced that the names possess similarity that would cause confusion at any point in the medication use system, thus the name is eliminated from further review.

In the second stage of the Risk Assessment, the primary Safety Evaluator evaluates all potential failure modes to determine the likely *effect* of the drug name confusion, by asking:

“Could the confusion of the drug names conceivably result in medication errors in the usual practice setting?”

The answer to this question is a central component of the Safety Evaluator’s overall risk assessment of the proprietary name. If the Safety Evaluator determines through FMEA that the name similarity would not ultimately be a source of medication errors in the usual practice setting, the primary Safety Evaluator eliminates the name from further analysis. However, if the Safety Evaluator determines through FMEA that the name similarity could ultimately cause medication errors in the usual practice setting, the Safety Evaluator will then recommend the use of an alternate proprietary name.

Moreover, DMEPA will object to the use of proposed proprietary name when the primary Safety Evaluator identifies one or more of the following conditions in the Overall Risk Assessment:

- a. OPDP finds the proposed proprietary name misleading from a promotional perspective, and the Review Division concurs with OPDP’s findings. The Federal Food, Drug, and Cosmetic Act provides that labeling or advertising can misbrand a product if misleading representations are made or suggested by statement, word, design, device, or any combination thereof, whether through a PROPRIETARY name or otherwise [21 U.S.C 321(n); See also 21 U.S.C. 352(a) & (n)].
- b. DMEPA identifies that the proposed proprietary name is misleading because of similarity in spelling or pronunciation to another proprietary or established name of a different drug or ingredient [CFR 201.10.(C)(5)].

- c. FMEA identifies the potential for confusion between the proposed proprietary name and other proprietary or established drug name(s), and demonstrates that medication errors are likely to result from the drug name confusion under the conditions of usual clinical practice.
- d. The proposed proprietary name contains an USAN (United States Adopted Names) stem.
- e. DMEPA identifies a potential source of medication error within the proposed proprietary name. For example, the proprietary name may be misleading or, inadvertently, introduce ambiguity and confusion that leads to errors. Such errors may not necessarily involve confusion between the proposed drug and another drug product but involve a naming characteristic that when incorporated into a proprietary name, may be confusing, misleading, cause or contribute to medication errors.

If DMEPA objects to a proposed proprietary name on the basis that drug name confusion could lead to medication errors, the primary Safety Evaluator uses the FMEA process to identify strategies to reduce the risk of medication errors. DMEPA generally recommends that the Sponsor select an alternative proprietary name and submit the alternate name to the Agency for review. However, in rare instances FMEA may identify plausible strategies that could reduce the risk of medication error of the currently proposed name. In that instance, DMEPA may be able to provide the Sponsor with recommendations that reduce or eliminate the potential for error and, thereby, would render the proposed name acceptable.

In the event that DMEPA objects to the use of the proposed proprietary name, based upon the potential for confusion with another proposed (but not yet approved) proprietary name, DMEPA will provide a contingency objection based on the date of approval. Whichever product, the Agency approves first has the right to use the proprietary name, while DMEPA will recommend that the second product to reach approval seek an alternative name.

The threshold set for objection to the proposed proprietary name may seem low to the Applicant/Sponsor. However, the safety concerns set forth in criteria a through e above are supported either by FDA regulation or by external healthcare authorities, including the Institute of Medicine (IOM), World Health Organization (WHO), the Joint Commission, and the Institute for Safe Medication Practices (ISMP). These organizations have examined medication errors resulting from look- or sound-alike drug names, confusing, or misleading names and called for regulatory authorities to address the issue prior to approval. Additionally, DMEPA contends that the threshold set for the Proprietary Name Risk Assessment is reasonable because proprietary drug name confusion is a predictable and preventable source of medication error that, in many instances, the Agency and/or Sponsor can identify and rectify prior to approval to avoid patient harm.

Furthermore, post-marketing experience has demonstrated that medication errors resulting from drug name confusion are notoriously difficult to rectify post-approval. Educational and other post-approval efforts are low-leverage strategies that have had limited effectiveness at alleviating medication errors involving drug name confusion. Sponsors have undertaken higher-leverage strategies, such as drug name changes, in the

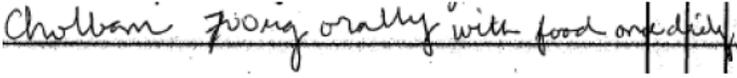
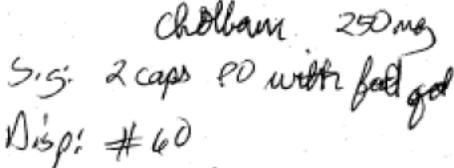
past but at great financial cost to the Sponsor and at the expense of the public welfare, not to mention the Agency's credibility as the authority responsible for approving the error-prone proprietary name. Moreover, even after Sponsors' have changed a product's proprietary name in the post-approval phase, it is difficult to eradicate the original proprietary name from practitioners' vocabulary, and as a result, the Agency has continued to receive reports of drug name confusion long after a name change in some instances. Therefore, DMEPA believes that post-approval efforts at reducing name confusion errors should be reserved for those cases in which the potential for name confusion could not be predicted prior to approval.

Appendix B: Letters and Letter Strings with Possible Orthographic or Phonetic Misinterpretation

Letters in Name, Cholbam	Scripted May Appear as	Spoken May Be Interpreted as
Capital 'C'	A, G, L, O, U	K, S, Z if followed by an 'i' or 'e'
lower case 'c'	a, e, i, l, o, r, z	k, s, z if followed by an 'i' or 'e'
lower case 'h'	b, k, L, m, n	
lower case 'o'	a, c, e, s, u	a, ah, e, u, oh
lower case 'l'	A, b, c, e, i, s, P	El, ll, w
lower case 'b'	h, k, l, la, li, to	p, d, q, v
lower case 'a'	c, ce, ci, cl, d, e, el, er, ir, o, u, x	any vowel
lower case 'm'	co, onc, in, n, ni, nm, m, v, vi, w, wi, z	em, en, n
Letter Strings in Name, Cholbam	Scripted May Appear as	Spoken May Be Interpreted as
'Ch'	Ar	
'ch'	di	
lower case 'lo'	b, 10	low

Appendix C: Prescription Simulation Samples and Results

Figure 1. Cholbam Study (Conducted on December 20, 2013)

Handwritten Requisition Medication Order	Verbal Prescription
<p><u>Medication Order:</u> </p> <p><u>Outpatient Prescription:</u> </p>	<p>Cholbam 250 mg Sig: 2 caps PO with food qd Disp: #60</p>

FDA Prescription Simulation Responses (Aggregate 1 Rx Studies Report)

Study Name: Cholbam				
				192 People Received Study
				59 People Responded
Total	23	17	19	
INTERPRETATION	OUTPATIENT	VOICE	INPATIENT	TOTAL
CHOLBAIN	4	0	0	4
CHOLBAM	15	0	10	25
CHOLBAN	1	0	9	10
CHOLBANI	1	0	0	1
CHOLBAUM	2	0	0	2
COBAM	0	1	0	1
COBAN	0	1	0	1
COLBAM	0	6	0	6
COLBAN	0	3	0	3
COLDBAM	0	1	0	1
COLEBAN	0	1	0	1
COLVAN	0	1	0	1
COVAM	0	1	0	1
KOBAM	0	1	0	1
KOLBAM CAPSULES	0	1	0	1

Appendix D: Proprietary names not likely to be confused or not used in usual practice settings for the reasons described.

No.	Proprietary Name	Active Ingredient	Similarity to Cholbam	Failure preventions
1.	Balm	medical term meaning a balsamic resin, an aromatic preparation (e.g., a healing ointment), or a soothing restorative agency	Look	The pair has sufficient orthographic differences. Additionally, the individual term would usually be paired with a trade name to be prescribed or ordered.
2.	Calbon	Calcium Lactate	Look and Sound	Name was found in Micromedex database and listed as discontinued with no brand or generic equivalents in the U.S. Other reference databases list the currently available product as an international product marketed in India.
3.	Carbachol	This is the established name for Miostat and Isopto Carbachol.	Look	The pair has sufficient orthographic differences.
4.	Chloride	laboratory test name	Look	The pair has sufficient orthographic differences.
5.	Chloroquine	This is the established name for Aralen.	Look and Sound	The pair has sufficient orthographic and phonetic differences.
6.	Cholbam ^{***}	Cholic Acid	Look and Sound	This is the proprietary name under consideration for this NDA application.
7.	Choledyl SA	Oxtriphylline	Look	The pair has sufficient orthographic differences.
8.	Cholera vaccine	Travelers' Diarrhea and Cholera Vaccine	Look	The pair has sufficient orthographic differences.
9.	Cholesterol	laboratory test name	Look and Sound	The pair has sufficient orthographic differences.
10.	Cholestyramine Resin	This is the established name for Prevalite, Questran, and Questran Light.	Look	The pair has sufficient orthographic differences.

^{***} This document contains proprietary and confidential information that should not be released to the public.

No.	Proprietary Name	Active Ingredient	Similarity to Cholbam	Failure preventions
11.	(b) (4)			
12.	Corgard	Nadolol	Sound	The pair has sufficient phonetic differences.
13.	Diovan	Valsartan	Look	The pair has sufficient orthographic differences.
14.	Drolban	Dromostanolone Propionate	Look and Sound	Name was found in POCA and Drugs at FDA databases. Product is listed as discontinued with only partial product characteristics available. Product characteristics were not available in any other reference databases (including DARRTS, AIMS Proposed Name List, DMEPA L:drive, and Google).

*** This document contains proprietary and confidential information that should not be released to the public.

Appendix E: Risk of medication errors due to product confusion minimized by dissimilarity of the names and/ or use in clinical practice for the reasons described.

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
1.	<p>Chitosan (Chitosan) tablets, capsules</p> <p>*Strength: 500 mg, 1075 mg tablets; 250 mg, 450 mg, 500 mg, 1500 mg capsules</p> <p>Usual Dose: Treatment of high cholesterol, anemia, strength, appetite, and sleep in patients with renal failure on dialysis: 13,500 mg orally 3 times daily. For weight loss: 240 to 1500 mg orally once daily for 4 to 24 weeks. As dietary supplement: Three 500 mg capsules (1500 mg) orally with food once daily or as directed by a physician.</p>	<p>Orthographic: Both names begin with ‘Ch.’ ‘l’ in Cholbam and ‘t’ in Chitosan look similar when scripted. Both names contain ‘a’ in similar positions. ‘m’ in Cholbam and ‘n’ in Chitosan look similar when scripted.</p> <p>Strength, Dosage Form, Dose, Route of Administration, Frequency, and Instructions for Use: overlapping strengths (250 mg), dosage forms (tablets), route of administration (oral), frequencies (once daily), and instructions for use, “Take with food” ; similar or overlapping doses, “250 mg,” “500 mg,” “1500 mg,” “1 tab,” “2 tabs,” or “3 tabs” (both), or “150 mg” or “250 mg” (Cholbam) vs. “1500 mg” or “240 mg” (Chitosan)</p>	<p>Orthographic: ‘o’ in Cholbam is more narrow than ‘i’ in Chitosan and gives a different shape to the beginnings of the names when scripted.</p> <p>Cholbam contains four upstrokes vs. three in Chitosan which further differentiates the names when scripted.</p> <p>*Product is a nutritional supplement found in various formulations from multiple manufacturers at various Google websites. Available dosing instructions (for corresponding formulations) are listed.</p>
2.	<p>Cholac (Lactulose) solution</p> <p>Strength: 10 g/15 mL oral solution</p> <p>Usual Dose: Initially, 15 to 30 mL (up to 60 mL if needed) orally once daily.</p> <p>*Product listed as discontinued per reference databases. However, generic equivalents are available.</p>	<p>Orthographic: Both names begin with ‘Chol.’ Both names contain ‘a’ in similar positions.</p> <p>Dose, Route of Administration, and Frequency: overlapping route of administration (oral) and frequencies (once daily); similar doses, “150 mg,” “250 mg,” “300 mg,” “1 tab,” or “2 tabs” (Cholbam) vs. “15 mL,” “25 mL,” “30 mL,” “1 tsp,” or “2 tsp” (Cholac)</p>	<p>Orthographic: ‘m’ at the end of Cholbam looks different from ‘c’ at the end of Cholac and gives different shapes to the ends of the names when scripted.</p> <p>Cholbam contains four upstrokes vs. three in Cholac which further differentiates the names when scripted.</p>

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
3.	<p>Cholan-HBM (Dehydrocholic Acid) tablets</p> <p>Strength: 250 mg tablets</p> <p>Usual Dose: 250 to 500 mg orally three times daily as needed (max 1.5 g/24 hours).</p> <p>*Product listed as discontinued per reference databases without generic or brand equivalents available.</p>	<p>Orthographic: Both names begin with ‘Chol.’ ‘am’ in Cholbam and ‘an’ in Cholan look similar when scripted. The hyphen and modifier ‘HBM’ may be omitted from Cholan-HBM and may not help to distinguish the two names.</p> <p>Phonetic: Both names contain 2 syllables with phonetic emphasis on the 1st syllable. The 1st syllables [“Chol” (“Kōl”)] are identical. The 2nd syllables [“bam” (“bām” or “bahm”) vs. “an” (“ān” or “ahn”)] contain the same vowel sound and end with similar consonant sounds.</p> <p>Strength, Dosage Form, Dose, Route of Administration, and Frequency: overlapping strength (250 mg), dosage form (tablets), route of administration (oral) and doses, “250 mg,” “500 mg,” “1 tab,” or “2 tabs”; similar frequencies, qd (Cholbam) vs. tid (Cholan-HBM);</p>	<p>Orthographic: Cholbam contains four upstrokes vs. three in Cholan which gives different shapes to the names when scripted.</p> <p>Phonetic: The 2nd syllable [“bam” (“bām” or “bahm”) vs. “an” (“ān” or “ahn”)] begins with the consonant sound “b” for Cholbam vs. begins with no consonant sound for Cholan-HBM. If the modifier “HBM” is not omitted from Cholan-HBM, this would further differentiate the name phonetically from Cholbam.</p> <p>Instructions for Use: administered regularly (Cholbam) vs. administered “as needed” (Cholan-HBM)</p>

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
4.	<p>Choletec 45mg Kit for the Preparation of Technetium Tc 99m Mebrofenin (Technetium Tc 99m Mebrofenin) lyophilisate</p> <p>Strength: 45 mg lyophilisate for solution for intravenous injection</p> <p>Usual Dose: <i>Adult:</i> 2 to 5 mCi (74 to 185 MBq) intravenously. <i>Children:</i> 0.05 to 0.2 mCi/kg (2 to 7 MBq/kg) intravenously [min dose 0.4 to 0.5 mCi (15 to 20 MBq)]. <i>Hepatic adjustment:</i> 3 to 10 mCi (111 to 370 MBq) intravenously for serum bilirubin >1.5 mg/dL.</p>	<p>Orthographic: Both names begin with ‘Chol.’ ‘ba’ in Cholbam and ‘te’ in Cholan look similar when scripted.</p> <p>Route of Administration: single route of administration</p>	<p>Orthographic: The extra 5th letter ‘e’ separates the two upstrokes in the middle of Choletec and looks different from the middle of Cholbam when scripted. ‘m’ at the end of Cholbam looks different from ‘c’ at the end of Choletec and gives different shapes to the ends of the names when scripted.</p> <p>Strength and Frequency: multiple strengths administered once daily (Cholbam) vs. single strength administered once for procedure (Choletec)</p> <p>There is no similarity or overlap of strength or dose between the two products.</p>
5.	<p>Choline (Choline) capsules</p> <p>Strength: 648 mg capsules</p> <p>Usual Dose: 1 to 2 capsules orally daily.</p>	<p>Orthographic: Both names begin with ‘Chol.’ The names contain the same number of letters and appear similar in length when scripted.</p> <p>Dosage Form, Dose, Route of Administration, and Frequency: overlapping route of administration (oral), frequency (once daily); similar dose and dosage forms, “1 or 2 tabs” (Cholbam) vs. “1 or 2 caps” (Choline)</p>	<p>Orthographic: ‘bam’ at the end of Cholbam looks different from ‘ine’ at the end of Choline and gives different shapes to the ends of the names when scripted.</p> <p>Strength: multiple strengths (Cholbam) vs. single strength (Choletec)</p> <p>There is no strength similarity or overlap between the two products although similarities in dosing may occur.</p>

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
6.	<p>CloBAZam (This is the established name for Onfi) suspension, tablets</p> <p>Strength: 2.5 mg/mL oral suspension; 10 mg, 20 mg tablets</p> <p>Usual Dose: Adults and Children (as adjunctive therapy for Lennox-Gastaut) 2 years and older: ≤30 kg: Initially 5 mg orally once daily for ≥1 week, then increase to 5 mg orally twice daily for ≥1 week, then increase to 10 mg orally twice daily thereafter. >30 kg: Initially 5 mg orally twice daily for ≥1 week, then increase to 10 mg twice daily for ≥1 week, then increase to 20 mg twice daily thereafter. Geriatric: ≤30 kg: Initially 5 mg orally once daily for ≥2 weeks, then increase to 5 mg orally twice daily; after ≥1 week may increase to 10 mg orally twice daily.</p>	<p>Orthographic: Both names begin with ‘C.’ Both names contain an upstroke followed by ‘o’ in the same positions. Both names contain ‘b’ in similar positions. Both names end with ‘am.’</p> <p>Phonetic: Both names place phonetic emphasis on the 1st syllable. The 1st syllables [“Chol” (“Kōl”) vs. “Clo” (“Klō”)] begin with similar consonant sounds (hard “K” vs. “Kl” consonant blend) and contain the same vowel sound. The last syllables [“bam” (“bām” or “bahm”) vs. “Zam” (“Zām” or “Zahm”)] contain the same vowel sound and end with the same consonant sound.</p> <p>Dosage Form, Dose, Route of Administration, and Frequency: overlapping dosage form (tablets), route of administration (oral), and frequency (once daily)</p>	<p>Orthographic: ‘az’ elongates the middle of CloBAZam looks different from the middle of Cholbam when scripted. Cholbam contains four upstrokes vs. three or five upstrokes in CloBAZam (depending in how ‘BAZ’ is scripted) which further differentiates the names when scripted.</p> <p>Phonetic: Cholbam contains two syllables vs. three in CloBAZam. The last syllables [“bam” (“bām” or “bahm”) vs. “Zam” (“Zām” or “Zahm”)] begin with different consonant sounds.</p> <p>Strength: multiple strengths (which would have to be indicated on an order or prescription) (both) There is no similarity or overlap of strength or dose between the two products.</p>

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
7.	<p>Cloderm (Clocortolone) cream; ALSO, Cloderm Pump (Clocortolone) cream</p> <p>Strength: 0.1% topical cream</p> <p>Usual Dose: Apply sparingly to affected area topically and rub in gently 1 to 4 times daily.</p>	<p>Orthographic: Both names begin with ‘C.’ Both names contain an upstroke followed by ‘o’ in the same positions. Both names contain a 3rd upstroke at the same position. ‘a’ in Cholbam and ‘e’ in Cloderm look similar when scripted. Both names end with ‘m.’</p> <p>The names contain the same number of letters when scripted.</p> <p>Route of Administration and Frequency: single routes of administration; similar or overlapping frequencies, qd (Cholbam) vs. qd or qid (Cloderm)</p>	<p>Orthographic: ‘r’ elongates the the end of Cloderm after the upstroke and looks different from the end of Cholbam when scripted.</p> <p>Cholbam contains four upstrokes vs. three in Cloderm which further differentiates the names when scripted.</p> <p>Strength, Dose, Dosage Form, and Instructions for Use: Multiple-strength tablets prescribed as, “xx mg (or “xx tabs”) orally once daily” (Cholbam) vs. single-strength, topical cream or topical pump prescribed as, “Apply to affected area,” or “Use as directed.” (Cloderm)</p> <p>There is no strength or dose similarity or overlap between the two products.</p>
8.	<p>Coban Self-Adherent Wrap (N/A) topical dressings for wound care; at least 20 different versions of the product are available, some with additional (separately available) variations in feature such as color, width, latex content, and sterility</p> <p>Strength: N/A; topical self-adherent, elastic, porous, non-woven polyester bandages</p> <p>Usual Dose: Wrap topically in a spiral fashion or figure 8 pattern to obtain desired compression where needed.</p>	<p>Phonetic: Both names contain 2 syllables with phonetic emphasis on the 1st syllable.</p> <p>The 1st syllables [“Chol” (“Kōl” or “Kōl”) vs. “Co” (“Kō”)] start with the same consonant sound and may contain the same vowel sound. The 2nd syllables [“bam” (“bām” or “bahm”) vs. “ban” (“bān”)] begin with the same consonant sound, contain the same vowel sound, and end with similar consonant sounds.</p>	<p>Phonetic: The 1st syllables [“Chol” (“Kōl” or “Kōl”) vs. “Co” (“Kō”)] end with the consonant sound “l” for Cholbam vs. no consonant sound for Coban.</p> <p>Strength and Instructions for Use: multiple strengths administered regularly (Cholbam) vs. no designated strength applied “in a spiral fashion or figure 8 pattern topically to obtain desired compression where needed” (Coban)</p>

No.	<p>Proposed name: Cholbam (Cholic Acid) Tablets</p> <p>Strength(s): 50 mg , 250 mg tablets</p> <p>Usual Dose: 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
9.	<p>Comtan (Entacapone) tablets</p> <p>Strength: 200 mg tablets</p> <p>Usual Dose: Dosing: Adult Parkinson's disease: 200 mg orally with each dose of levodopa/carbidopa, up to maximum 8 times daily (max: 1600 mg/day).</p>	<p>Phonetic:</p> <p>Both names contain 2 syllables with phonetic emphasis on the 1st syllable.</p> <p>The 1st syllables ["Chol" ("Kōl" or "Kōl") vs. "Com" ("Kōm")] start with the same consonant sound and may contain the same vowel sound. The 2nd syllables ["bam" ("bām" or "bahm") vs. "tan" ("tān")] may contain the same vowel sound and end with similar consonant sounds.</p> <p>Strength, Dosage Form, Dose, Route of Administration:</p> <p>overlapping dosage form (tablets), dose (200 mg), and route of administration (oral); similar strengths, 250 mg (Cholbam) vs. 200 mg (Comtan)</p>	<p>Phonetic:</p> <p>The 1st syllables ["Chol" ("Kōl" or "Kōl") vs. "Com" ("Kōm")] end with different consonant sounds. The 2nd syllables ["bam" ("bām" or "bahm") vs. "tan" ("tān")] begin with different consonant sounds.</p> <p>Frequency:</p> <p>administered once daily (Cholbam) vs. administered with each dose of levodopa/carbidopa, up to 8 times daily (Comtan)</p>
10.	<p>Crolom (Cromolyn Sodium, Ophthalmic) solution</p> <p>Strength: 4% ophthalmic solution</p> <p>Usual Dose: 1 to 2 drops in each eye 4 to 6 times daily.</p>	<p>Orthographic:</p> <p>Both names begin with 'C.' Both names contain 'ol' in the same position. 'a' in Cholbam and the 5th letter 'o' in Crolom look similar when scripted. Both names end with 'm.'</p> <p>Dose and Route of Administration:</p> <p>single routes of administration; similar doses, 1 or 2 tabs (Cholbam) vs. 1 or 2 drops (Crolom)</p>	<p>Orthographic:</p> <p>Cholbam contains four upstrokes vs. two in Crolom which gives a different shape to the names when scripted.</p> <p>Strength and Frequency:</p> <p>multiple strengths administered once daily (Cholbam) vs. single strength administered 4 to 6 times daily (Crolom)</p> <p>There is no similarity or overlap of strength or dose between the two products.</p>

No.	<p><u>Proposed name:</u> Cholbam (Cholic Acid) Tablets</p> <p><u>Strength(s):</u> 50 mg , 250 mg tablets</p> <p><u>Usual Dose:</u> 10 to 15 mg/kg orally with food once daily. (b) (4)</p>	<p>Failure Mode: Incorrect Product Ordered/ Selected/Dispensed or Administered because of Name confusion</p> <p>Causes (could be multiple)</p>	<p>Prevention of Failure Mode</p> <p>In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names</p>
11.	<p>Diotame (Bismuth) Chewable Tablets</p> <p><u>Strength:</u> 262 mg chewable tablets</p> <p><u>Usual Dose:</u> Nonspecific diarrhea, traveler's diarrhea: 524 mg orally every 30 to 60 minutes as needed (max 8 doses/24 hours). Helicobacter pylori: 524 mg orally 4 times daily with meals and at bedtime; requires combination therapy.</p>	<p><u>Orthographic:</u> 'Ch' in Cholbam and 'Di' in Diotame look similar when scripted. Both names contain 'o' in the same position. 'l' in Cholbam and 't' in Diotame look similar when scripted. Both names contain 'am' in similar positions.</p> <p>The names contain the same number of letters when scripted.</p> <p><u>Dosage Form, Dose, Route of Administration:</u> overlapping dosage form (tablets) and route of administration (oral);</p>	<p><u>Orthographic:</u> 'e' after 'm' at the end of Diotame looks different from the end of Cholbam when scripted.</p> <p>Cholbam contains four upstrokes vs. two in Diotame which further differentiates the names when scripted.</p> <p><u>Strength and Frequency:</u> multiple strengths administered once daily (Cholbam) vs. single strength administered from 4 times daily and at bedtime to every 30 to 60 minutes (Diotame)</p> <p>There is no similarity or overlap of strength or dose between the two products.</p>

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/s/

TERRI WOOD-CUMMINGS
02/11/2014

LUBNA A MERCHANT
02/11/2014