

**CENTER FOR DRUG EVALUATION AND
RESEARCH**

APPLICATION NUMBER:

216158Orig1s000

PROPRIETARY NAME REVIEW(S)

PROPRIETARY NAME REVIEW

Division of Medication Error Prevention and Analysis 1 (DMEPA 1)
Office of Medication Error Prevention and Risk Management (OMEPRM)
Office of Surveillance and Epidemiology (OSE)
Center for Drug Evaluation and Research (CDER)

***** This document contains proprietary information that cannot be released to the public*****

Date of This Review:	December 20, 2023
Application Type and Number:	IND 127471 and NDA 216158
Product Name and Strength:	Cobenfy (xanomeline and trospium chloride) capsules 50 mg/20 mg, 100 mg/20 mg, and 125 mg/30 mg
Product Type:	Multiple Ingredient Product
Rx or OTC:	Prescription (Rx)
Applicant/Sponsor Name:	Karuna Therapeutics, Inc. (Karuna)
PNR ID #:	2022-1044724479 and 2023-1044725359
DMEPA 1 Safety Evaluator:	Loretta Holmes, BSN, PharmD
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DMEPA 1 Director:	Mishale Mistry, PharmD, MPH

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1 INTRODUCTION

This review evaluates the proposed proprietary name, Cobenfy, from a safety and misbranding perspective. The sources and methods used to evaluate the proposed proprietary name are outlined in the reference section and Appendix A, respectively. Karuna did not submit an external name study for this proposed proprietary name.

1.1 REGULATORY HISTORY

Karuna previously submitted the proposed proprietary name, (b) (4)***, for review under IND 127471 on March 19, 2021. However, we found the name, (b) (4)***, unacceptable on March 5, 2021 because it would misbrand the product.^{0F^a} Thus, Karuna submitted the name, (b) (4), for review under IND 127471 on July 15, 2021. However, we found the name, (b) (4), unacceptable on January 11, 2022 due to orthographic similarities and shared product characteristics with the proprietary name, (b) (4) b

Thus, Karuna submitted the name, Cobenfy, for review on March 11, 2022 under IND 127471 and on September 26, 2023 under NDA 216158.

1.2 PRODUCT INFORMATION

The following product information is provided in the proprietary name submission received on September 26, 2023 under NDA 216158.

- Intended Pronunciation: co-BEN-fee
- Active Ingredient: xanomeline and trospium chloride
- Indication of Use: treatment of schizophrenia in adults
- Route of Administration: oral
- Dosage Form: capsules
- Strengths: 50 mg/20 mg, 100 mg/20 mg, and 125 mg/30 mg
- Dose and Frequency: The recommended starting dosage is 50 mg/20 mg twice daily for at least two days. Increase the dosage to 100 mg/20 mg twice daily for at least five days. The dosage may be increased to 125 mg/30 mg twice daily based on patient response.

(b) (4)

^a Holmes, L. Proprietary Name Review for (b) (4) (IND 127471). Silver Spring (MD): FDA, CDER, OSE, DMEPA (US); 2021 May 05. PNR ID No. 2021-1044723882.

^b Holmes, L. Proprietary Name Review for (b) (4) (IND 127471). Silver Spring (MD): FDA, CDER, OSE, DMEPA 1 (US); 2022 JAN 11. PNR ID No. 2021-1044724061.

All doses of should be taken orally at least one hour before meals or two hours after meals. Do not open capsules (b) (4).

- How Supplied:

Capsule Strength	Total Package Count	Package Configuration	Package Components	NDC Code
50 mg/20 mg	60	Bottle	N/A	83115-050-60
100 mg/20 mg	60	Bottle	N/A	83115-100-60
125 mg/30 mg	60	Bottle	N/A	83115-125-60
50 mg/20 mg (4) 100 mg/20 mg (52)	56	Starter Pack for 100 mg/20 mg (b) (4) dose	1 Mixed Blister Wallet: four (4) 50 mg/20 mg capsules and ten (10) 100 mg/20 mg capsules 3 Wallets: fourteen (14) 100 mg/20 mg capsules in each wallet	83115-200-56
(b) (4)				

- Storage: (b) (4)

2 RESULTS

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

2.1 MISBRANDING ASSESSMENT

This proposed proprietary name was initially submitted under IND 127471 on March 11, 2022. At that time, the Office of Prescription Drug Promotion (OPDP) determined that Cobenfy would not misbrand the proposed product. The Division of Medication Error Prevention and Analysis 1 (DMEPA 1) concurred with the findings of OPDP's assessment for Cobenfy.

On April 7, 2022, the Division of Psychiatry (DP) initially expressed the following concerns: *The clinical review team objects to the proposed proprietary name "COBENFY" because the name invokes "co-benefit", which is inaccurate because this Sponsor is not claiming benefit for the treatment indication for both drugs in the combination. Note that the Sponsor added trospium to xanomeline to attenuate intolerable adverse reactions with xanomeline alone; trospium has an FDA indication for an unrelated condition (overactive bladder).* Therefore, we requested that the Office of Prescription Drug Promotion (OPDP) re-evaluate the proposed proprietary name, Cobenfy. On April 26, 2022, OPDP responded that they re-evaluated the proposed proprietary name and maintain their non-objection. However, the Division did not provide any additional concerns.

On September 26, 2023, the proposed name was resubmitted for review under NDA 216158. Under the NDA, the Office of Prescription Drug Promotion (OPDP) determined that Cobenfy would not misbrand the proposed product. The Division of Medication Error Prevention and Analysis 1 (DMEPA 1) concurred with the findings of OPDP's assessment for Cobenfy. On

October 31, 2023, the Division of Psychiatry (DP) expressed concern that “*Cobenfy may imply that there is a co-benefit with the use of xanomeline tartrate and trospium chloride. However, trospium chloride has no efficacy benefit.*” Therefore, we requested that the Office of Prescription Drug Promotion (OPDP) re-evaluate the proposed proprietary name, Cobenfy. On December 5, 2023, OPDP responded that they re-evaluated the proposed proprietary name and maintain their non-objection. On December 13, 2023, the Division of Psychiatry concurred with the findings of OPDP’s re-evaluation of Cobenfy.

2.2 SAFETY ASSESSMENT

The following aspects were considered in the safety evaluation of the proposed proprietary name, Cobenfy.

2.2.1 United States Adopted Names (USAN) Search

There is no USAN stem present in the proposed proprietary name^c.

2.2.2 Components of the Proposed Proprietary Name

Karuna did not provide a derivation or intended meaning for the proposed proprietary name, Cobenfy, in their submission. This proprietary name is comprised of a single word that does not contain any components (i.e., a modifier, route of administration, dosage form, etc.) that can contribute to medication error.

2.2.3 Comments from Other Review Disciplines at Initial Review

On April 7, 2022 and October 31, 2023, the Division of Psychiatry (DP) did not forward any comments or concerns relating to Cobenfy at the initial phase of the review.

2.2.4 FDA Name Simulation Studies

Sixty-five (n=65) practitioners participated in DMEPA’s prescription studies for Cobenfy. The responses did not overlap with any currently marketed products nor did the responses sound or look similar to any currently marketed products or any products in the pipeline. Appendix B contains the results from the prescription simulation studies.

2.2.5 Phonetic and Orthographic Computer Analysis (POCA) Search Results

Our POCA search^d identified 43 names with a combined phonetic and orthographic score of $\geq 55\%$ or an individual phonetic or orthographic score $\geq 70\%$. These names are included in Table 1 below.

2.2.6 Names Retrieved for Review Organized by Name Pair Similarity

Table 1 lists the number of names retrieved from our POCA search. These name pairs are organized as highly similar, moderately similar, or low similarity for further evaluation.

^c USAN stem search conducted on October 31, 2023.

^d POCA search conducted on October 31, 2023 in version 5.2.

Table 1. Names Retrieved for Review Organized by Name Pair Similarity	
Similarity Category	Number of Names
Highly similar name pair: combined match percentage score $\geq 70\%$	2
Moderately similar name pair: combined match percentage score $\geq 55\%$ to $\leq 69\%$	39
Low similarity name pair: combined match percentage score $\leq 54\%$	2

2.2.7 Safety Analysis of Names with Potential Orthographic, Spelling, and Phonetic Similarities

Our analysis of the 43 names contained in Table 1 determined none of the names will pose a risk for confusion with Cobenfy as described in Appendices C through H.

2.2.8 Communication of DMEPA's Determination

On December 20, 2023, DMEPA 1 communicated our determination to the Division of Psychiatry (DP).

3 CONCLUSION

The proposed proprietary name, Cobenfy, is conditionally acceptable.

If you have any questions or need clarifications, please contact Phuong B. Nguyen, OSE Safety Regulatory Project Manager, at 240-402-5827.

3.1 COMMENTS TO KARUNA THERAPEUTICS, INC.

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

If any of the proposed product characteristics as stated in your submission, received on September 26, 2023 are altered prior to approval of the marketing application, the name must be resubmitted for review.

4 REFERENCES

1. ***USAN Stems*** (<https://www.ama-assn.org/about/united-states-adopted-names-approved-stems>)

USAN Stems List contains all the recognized USAN stems.

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

POCA is a system that FDA designed. As part of the name similarity assessment, POCA is used to evaluate proposed names via a phonetic and orthographic algorithm. The proposed proprietary name is converted into its phonemic representation before it runs through the phonetic algorithm. Likewise, an orthographic algorithm exists that operates in a similar fashion. POCA is publicly accessible.

3. ***Drugs@FDA***

Drugs@FDA is an FDA Web site that contains most of the drug products approved in the United States 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* and *generic drugs*; *therapeutic biological products*, *prescription* and *over-the-counter* human drugs; and *discontinued drugs* (see *Drugs @ FDA Glossary of Terms*, available at http://www.fda.gov/Drugs/InformationOnDrugs/ucm079436.htm#ther_biological).

4. ***RxNorm***

RxNorm contains the names of prescription and many OTC drugs available in the United States. RxNorm includes generic and branded:

- Clinical drugs – pharmaceutical products given to (or taken by) a patient with therapeutic or diagnostic intent
- Drug packs – packs that contain multiple drugs, or drugs designed to be administered in a specified sequence

Radiopharmaceuticals, contrast media, food, dietary supplements, and medical devices, such as bandages and crutches, are all out of scope for RxNorm (<http://www.nlm.nih.gov/research/umls/rxnorm/overview.html>).

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.

APPENDICES

Appendix A

FDA's Proprietary Name Risk Assessment evaluates proposed proprietary names for misbranding and safety concerns.

1. **Misbranding Assessment:** For prescription drug products, OPDP assesses the name for misbranding concerns. For over-the-counter (OTC) drug products, the misbranding assessment of the proposed name is conducted by DNDP. OPDP or DNDP evaluates proposed proprietary names to determine if the name is false or misleading, such as by making misrepresentations with respect to safety or efficacy. For example, a fanciful proprietary name may misbrand a product by suggesting that it has some unique effectiveness or composition when it does not (21 CFR 201.10(c)(3)). OPDP or DNDP provides their opinion to DMEPA for consideration in the overall acceptability of the proposed proprietary name.
2. **Safety Assessment:** The safety assessment is conducted by DMEPA, and includes the following:
 - a. Preliminary Assessment: 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.) See prescreening checklist below in Table 2*. 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.^e

***Table 2- Prescreening Checklist for Proposed Proprietary Name**

	Answer the questions in the checklist below. Affirmative answers to any of these questions indicate a potential area of concern that should be carefully evaluated as described in this guidance.
Y/N	Is the proposed name obviously similar in spelling and pronunciation to other names?
	Proprietary names should not be similar in spelling or pronunciation to proprietary names, established names, or ingredients of other products.
Y/N	Are there inert or inactive ingredients referenced in the proprietary name?
	Proprietary names should not incorporate any reference to an inert or inactive ingredient in a way that might create an impression that the ingredient's value is greater than its true functional role in the formulation (21 CFR 201.10(c)(4)).

^e National Coordinating Council for Medication Error Reporting and Prevention. <https://www.nccmerp.org/about-medication-errors> Last accessed 10/05/2020.

Y/N	Does the proprietary name include combinations of active ingredients?
	Proprietary names of fixed combination drug products should not include or suggest the name of one or more, but not all, of its active ingredients (see 21 CFR 201.6(b)).
Y/N	Is there a United States Adopted Name (USAN) stem in the proprietary name?
	Proprietary names should not incorporate a USAN stem in the position that USAN designates for the stem.
Y/N	Is this proprietary name used for another product that does not share at least one common active ingredient?
	Drug products that do not contain at least one common active ingredient should not use the same (root) proprietary name.
Y/N	Is this a proprietary name of a discontinued product?
	Proprietary names should not use the proprietary name of a discontinued product if that discontinued drug product does not contain the same active ingredients.

b. **Phonetic and Orthographic Computer Analysis (POCA):** Following the preliminary screening of the proposed proprietary name, DMEPA staff evaluates the proposed name against potentially similar names. In order to identify names with potential similarity to the proposed proprietary name, DMEPA enters the proposed proprietary name in POCA and queries the name against the following drug reference databases, Drugs@FDA, Cerner RxNorm, and names in the review pipeline using a 55% threshold in POCA. DMEPA reviews the combined orthographic and phonetic matches and group the names into one of the following three categories:

- Highly similar pair: combined match percentage score $\geq 70\%$.
- Moderately similar pair: combined match percentage score $\geq 55\%$ to $\leq 69\%$.
- Low similarity: combined match percentage score $\leq 54\%$.

Using the criteria outlined in the check list (Table 3-5) that corresponds to each of the three categories (highly similar pair, moderately similar pair, and low similarity), DMEPA evaluates the name pairs to determine the acceptability or non-acceptability of a proposed proprietary name. The intent of these checklists is to increase the transparency and predictability of the safety determination of whether a proposed name is vulnerable to confusion from a look-alike or sound-alike perspective. Each bullet below corresponds to the name similarity category cross-references the respective table that addresses criteria that DMEPA uses to determine whether a name presents a safety concern from a look-alike or sound-alike perspective.

- For highly similar names, differences in product characteristics often cannot mitigate the risk of a medication error, including product differences such as strength and dose. Thus, proposed proprietary names that have a combined score of ≥ 70 percent are at risk for a look-alike sound-alike confusion which is an area of concern (See Table 3).
- Moderately similar names are further evaluated to identify the presence of attributes that are known to cause name confusion.

- Name attributes: We note that the beginning of the drug name plays a significant role in contributing to confusion. Additionally, drug name pairs that start with the same first letter and contain a shared letter string of at least 3 letters in both names are major contributing factor in the confusion of drug names^f. We evaluate all moderately similar names retrieved from POCA to identify the above attributes. These names are further evaluated to identify overlapping or similar strengths or doses.
 - Product attributes: Moderately similar names of products that have overlapping or similar strengths or doses represent an area for concern for FDA. The dose and strength information is often located in close proximity to the drug name itself on prescriptions and medication orders, and the information can be an important factor that either increases or decreases the potential for confusion between similarly named drug pairs. The ability of other product characteristics to mitigate confusion (e.g., route, frequency, dosage form) may be limited when the strength or dose overlaps. DMEPA reviews such names further, to determine whether sufficient differences exist to prevent confusion. (See Table 4).
- Names with low similarity that have no overlap or similarity in strength and dose are generally acceptable (See Table 5) unless there are data to suggest that the name might be vulnerable to confusion (e.g., prescription simulation study suggests that the name is likely to be misinterpreted as a marketed product). In these instances, we would reassign a low similarity name to the moderate similarity category and review according to the moderately similar name pair checklist.
- c. FDA Prescription Simulation Studies: DMEPA staff also conducts a prescription simulation studies using FDA health care professionals.

Four 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, verbal pronunciation of the drug name or during computerized provider order entry. 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 vulnerability of the proposed name to be misinterpreted by healthcare practitioners during written, verbal, or electronic prescribing.

In order to evaluate the potential for misinterpretation of the proposed proprietary name during written, verbal, or electronic prescribing of the name, written inpatient medication orders, written outpatient prescriptions, verbal orders, and electronic orders are simulated, each consisting of a combination of marketed and unapproved drug products, including the proposed name.

^f Shah, M, Merchant, L, Characteristics That May Help in the Identification of Potentially Confusing Proprietary Drug Names. Therapeutic Innovation & Regulatory Science, September 2016

- d. 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.

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

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.

Table 3. Highly Similar Name Pair Checklist (i.e., combined Orthographic and Phonetic score is $\geq 70\%$).

Answer the questions in the checklist below. Affirmative answers to some of these questions suggest that the pattern of orthographic or phonetic differences in the names may render the names less likely to confusion, provided that the pair does not share a common strength or dose.			
<u>Orthographic Checklist</u>		<u>Phonetic Checklist</u>	
Y/N	Do the names begin with different first letters? <i>Note that even when names begin with different first letters, certain letters may be confused with each other when scripted.</i>	Y/N	Do the names have different number of syllables?
Y/N	Are the lengths of the names dissimilar* when scripted? <i>*FDA considers the length of names different if the names differ by two or more letters.</i>	Y/N	Do the names have different syllabic stresses?
Y/N	Considering variations in scripting of some letters (such as z and f), is there a different number or placement of	Y/N	Do the syllables have different phonologic processes, such as vowel reduction, assimilation, or deletion?

	upstroke/downstroke letters present in the names?		
Y/N	Is there different number or placement of cross-stroke or dotted letters present in the names?	Y/N	Across a range of dialects, are the names consistently pronounced differently?
Y/N	Do the infixes of the name appear dissimilar when scripted?		
Y/N	Do the suffixes of the names appear dissimilar when scripted?		

Table 4: Moderately Similar Name Pair Checklist (i.e., combined score is $\geq 55\%$ to $\leq 69\%$).

Step 1	Review the DOSAGE AND ADMINISTRATION and HOW SUPPLIED/STORAGE AND HANDLING sections of the prescribing information (or for OTC drugs refer to the Drug Facts label) to determine if strengths and doses of the name pair overlap or are very similar. Different strengths and doses for products whose names are moderately similar may decrease the risk of confusion between the moderately similar name pairs. Name pairs that have overlapping or similar strengths or doses have a higher potential for confusion and should be evaluated further (see Step 2). Because the strength or dose could be used to express an order or prescription for a particular drug product, overlap in one or both of these components would be reason for further evaluation. For single strength products, also consider circumstances where the strength may not be expressed. For any i.e., drug products comprised of more than one active ingredient, consider whether the strength or dose may be expressed using only one of the components. To determine whether the strengths or doses are similar to your proposed product, consider the following list of factors that may increase confusion: • Alternative expressions of dose: 5 mL may be listed in the prescribing information, but the dose may be expressed in metric weight (e.g., 500 mg) or in non-metric units (e.g., 1 tsp, 1 tablet/capsule). Similarly, a strength or dose of 1000 mg may be expressed, in practice, as 1 g, or vice versa. • Trailing or deleting zeros: 10 mg is similar in appearance to 100 mg which may potentiate confusion between a name pair with moderate similarity.
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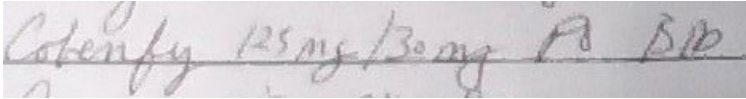
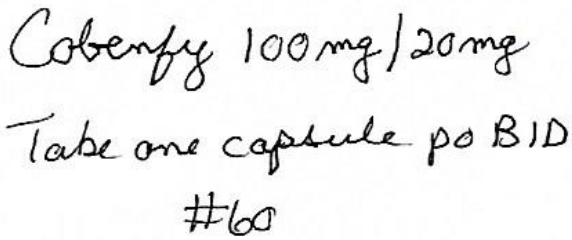
	• Similar sounding doses: 15 mg is similar in sound to 50 mg	
Step 2	Answer the questions in the checklist below. Affirmative answers to some of these questions suggest that the pattern of orthographic or phonetic differences in the names may reduce the likelihood of confusion for moderately similar names with overlapping or similar strengths or doses.	
	Orthographic Checklist (Y/N to each question) • Do the names begin with different first letters? Note that even when names begin with different first letters, certain letters may be confused with each other when scripted. • Are the lengths of the names dissimilar* when scripted? *FDA considers the length of names different if the names differ by two or more letters. • Considering variations in scripting of some letters (such as z and f), is there a different number or placement of upstroke/downstroke letters present in the names? • Is there different number or placement of cross-stroke or dotted letters present in the names? • Do the infixes of the name appear dissimilar when scripted? • Do the suffixes of the names appear dissimilar when scripted?	Phonetic Checklist (Y/N to each question) • Do the names have different number of syllables? • Do the names have different syllabic stresses? • Do the syllables have different phonologic processes, such vowel reduction, assimilation, or deletion? • Across a range of dialects, are the names consistently pronounced differently?

Table 5: Low Similarity Name Pair Checklist (i.e., combined score is $\leq 54\%$).

Names with low similarity are generally acceptable unless there are data to suggest that the name might be vulnerable to confusion (e.g., prescription simulation study suggests that the name is likely to be misinterpreted as a marketed product). In these instances, we would reassign a low similarity name to the moderate similarity category and review according to the moderately similar name pair checklist.

Appendix B: Prescription Simulation Samples and Results

Figure 1. Cobenfy Study (Conducted on October 10, 2023)

Handwritten Medication Order/Prescription	Verbal Prescription
<u>Medication Order:</u> 	Cobenfy 100 mg/20 mg Take one capsule by mouth twice daily Dispense 60
<u>Outpatient Prescription:</u> 	
CPOE Study Sample (displayed as sans-serif, 12-point, bold font)	
Cobenfy	

FDA Prescription Simulation Responses (Aggregate Report)

Study Name: Cobenfy					
People Received Study: 231					
People Responded: 65					
Total	20	16	13	16	65
INTERPRETATION	INPATIENT	OUTPATIENT	VOICE	CPOE	TOTAL
COBEFY	0	1	0	0	1
COBEMFY	0	0	2	0	2

COBENBY	1	0	0	0	1
COBENFI	0	0	1	0	1
COBENFIE	0	0	1	0	1
COBENFY	16	15	4	16	51
COBENVY	0	0	1	0	1
COFENFY	3	0	0	0	3
COPENFY	0	0	1	0	1
COVEMFI	0	0	1	0	1
COVEMPFY	0	0	1	0	1
COVENFY	0	0	1	0	1

Appendix C: Highly Similar Names (e.g., combined POCA score is $\geq 70\%$)

No.	Proposed name: Cobenfy Established name: xanomeline and trospium chloride Dosage form: capsules Strengths: 50 mg/20 mg, 100 mg/20 mg, and 125 mg/30 mg Usual Dose: The recommended starting dosage is 50 mg/20 mg twice daily for at least two days. Increase to 100 mg/20 mg twice daily for at least five days. Dosage may be increased to 125 mg/30 mg twice daily. (b) (4) (b) (4)	POCA Score (%)	Orthographic and/or phonetic differences in the names sufficient to prevent confusion Other prevention of failure mode expected to minimize the risk of confusion between these two names.
1.	Cobenfy***	100	This name is the subject of this review.
2.	(b) (4)***	70	(b) (4)

Appendix D: Moderately Similar Names (e.g., combined POCA score is $\geq 55\%$ to $\leq 69\%$) with no overlap or numerical similarity in Strength and/or Dose

No.	Name	POCA Score (%)
1.	Clobex	62
2.	(b) (4)***	62
3.	Cabenuva	60
4.	Cogentin	58
5.	(b) (4)***	57

Appendix E: Moderately Similar Names (e.g., combined POCA score is $\geq 55\%$ to $\leq 69\%$) with overlap or numerical similarity in Strength and/or Dose

No.	Proposed name: Cobenfy Established name: xanomeline and trospium chloride Dosage form: capsules Strengths: 50 mg/20 mg, 100 mg/20 mg, and 125 mg/30 mg Usual Dose: The recommended starting dosage is 50 mg/20 mg twice daily for at least two days. Increase to 100 mg/20 mg twice daily for at least five days. Dosage may be increased to 125 mg/30 mg twice daily. (b) (4) S	POCA Score (%)	Prevention of Failure Mode In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names
1.	(b) (4)***	64	This name pair has sufficient orthographic and phonetic differences.
2.	Proben-C	62	This name pair has sufficient orthographic and phonetic differences.
3.	Cosentyx	60	This name pair has sufficient orthographic and phonetic differences.
4.	Conex	58	This name pair has sufficient orthographic and phonetic differences.
5.	Bentyl	56	This name pair has sufficient orthographic and phonetic differences.
6.	Cobolin-M	56	This name pair has sufficient orthographic and phonetic differences.

No.	Proposed name: Cobenfy Established name: xanomeline and trospium chloride Dosage form: capsules Strengths: 50 mg/20 mg, 100 mg/20 mg, and 125 mg/30 mg Usual Dose: The recommended starting dosage is 50 mg/20 mg twice daily for at least two days. Increase to 100 mg/20 mg twice daily for at least five days. Dosage may be increased to 125 mg/30 mg twice daily. ^{(b) (4)}	POCA Score (%)	Prevention of Failure Mode In the conditions outlined below, the following combination of factors, are expected to minimize the risk of confusion between these two names
7.	Combivent	56	This name pair has sufficient orthographic and phonetic differences.
8.	Obenix	56	This name pair has sufficient orthographic and phonetic differences.
9.	Ancobon	55	This name pair has sufficient orthographic and phonetic differences.
10.	Codafed	55	This name pair has sufficient orthographic and phonetic differences.
11.	Cortef	55	This name pair has sufficient orthographic and phonetic differences.
12.	Qudexy	52	This name pair has sufficient orthographic and phonetic differences.
13.	Qutenza	51	This name pair has sufficient orthographic and phonetic differences.

Appendix F: Low Similarity Names (e.g., combined POCA score is $\leq 54\%$) – N/A

Appendix G: Names not likely to be confused or not used in usual practice settings for the reasons described.

No.	Name	POCA Score (%)	Failure preventions
1.	(b) (4)***	69	Proposed proprietary name withdrawn by the Applicant. BLA 761198 was approved under the proprietary name Avzivi.
2.	(b) (4)***	68	Previously proposed proprietary name for this product, found unacceptable by DMEPA (OSE #2021-1044723882 dated 05/05/2021).
3.	Consensi	64	Brand discontinued with no generic equivalents available. NDA 210045 withdrawn FR effective 01/09/2023.
4.	Codafen	62	Name identified in RxNorm database. Unable to find product characteristics in commonly used drug databases.
5.	Codoxy	62	Product discontinued with no generic equivalents available. ANDA 087464 withdrawn FR effective 07/25/1997.
6.	Cophene B	60	Name identified in RxNorm database. Product is deactivated and no generic equivalents are available.
7.	(b) (4)***	59	Proposed proprietary name for IND 121904 found unacceptable by DMEPA (OSE #2019-34747367). NDA 214998 approved under the proprietary name Camzyos.
8.	Conffits	58	Name identified in RxNorm database. Unable to find product characteristics in commonly used drug databases.
9.	Pizensy	58	Brand discontinued with no generic equivalents available. NDA 211281 withdrawn FR effective 01/09/2023.
10.	C10-36 Olefin	56	These are not drug names. Olefins are a class of chemicals made up of hydrogen and carbon with one or more pairs of carbon atoms linked by a double bond. They are used as building block materials for products such as plastics, detergents, and adhesives.
11.	C24-28 Olefin	56	
12.	C30-38 Olefin	56	
13.	C30-45 Olefin	56	
14.	Combi-Pen-48	56	Veterinary product.
15.	Cophene-X	56	Name identified in RxNorm database. Product is deactivated and no generic equivalents are available.

No.	Name	POCA Score (%)	Failure preventions
16.	Cotabflu	56	Name identified in RxNorm database. Product is deactivated and no generic equivalents are available.
17.	Froben	56	International product marketed in Italy, Switzerland, and the United Kingdom and other foreign countries.
18.	(b) (4) ***	56	Proposed proprietary name withdrawn by the Applicant. NDA 209483 approved under the proprietary name, Impoyz.
19.	(b) (4) ***	55	Proposed proprietary name for ANDA 207685 and ANDA 209452/S-001 found unacceptable by DMEPA on 11/04/2021(OSE# 2021-1044724145 and 2021-1044724150) due to a conflict with a marketed product and another pending proposed product.

Appendix H: Names not likely to be confused due to absence of attributes that are known to cause name confusion^g.

No.	Name	POCA Score (%)
1.	Femcon Fe	60
2.	Konyne 80	58
3.	Tofidence	56
4.	Tascenso	55

^g Shah, M, Merchant, L, Chan, I, and Taylor, K. Characteristics That May Help in the Identification of Potentially Confusing Proprietary Drug Names. Therapeutic Innovation & Regulatory Science, September 2016

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/s/

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