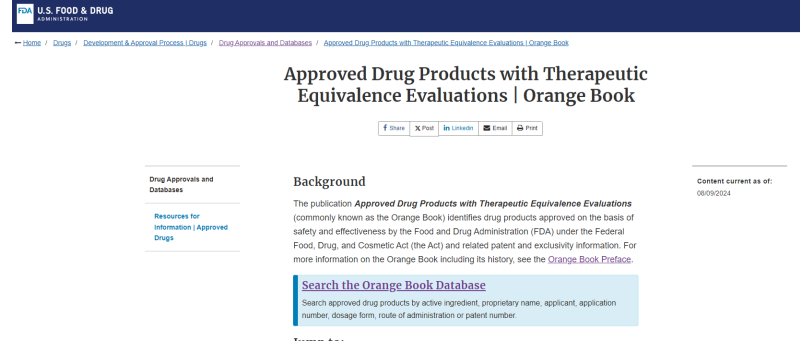
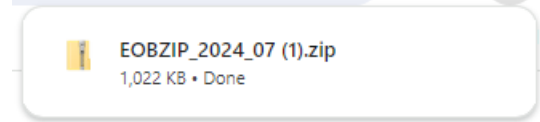
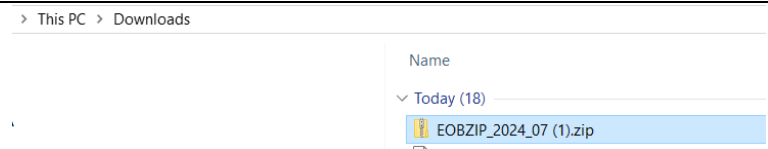
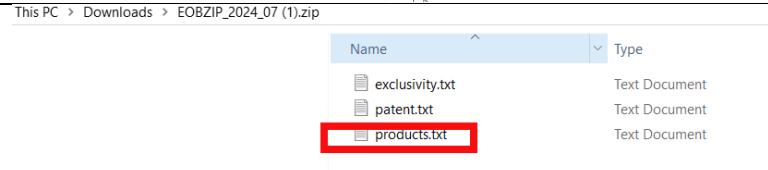
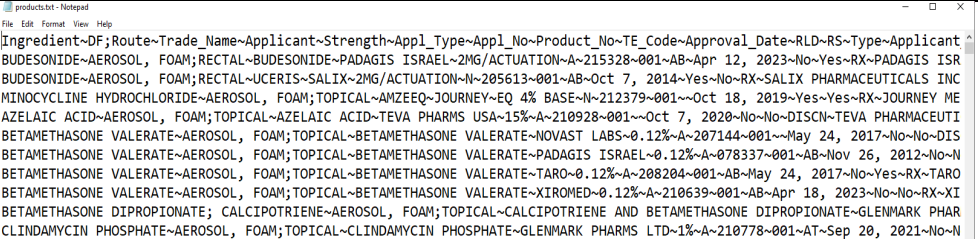
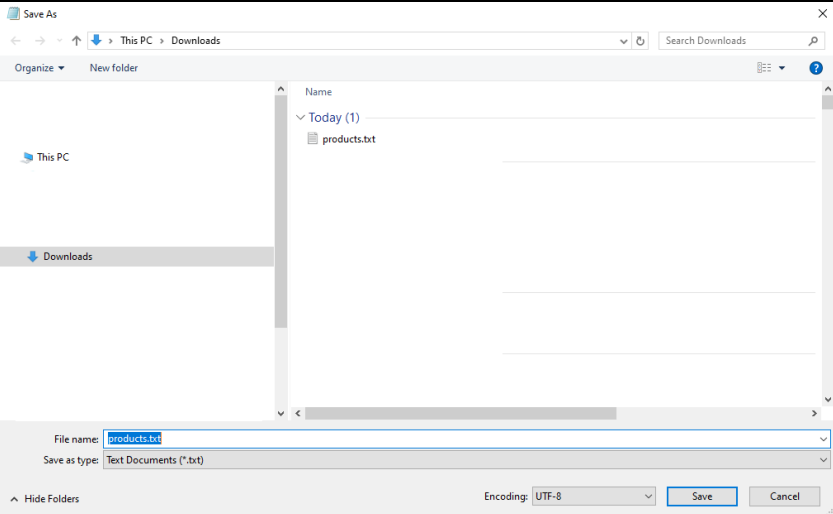


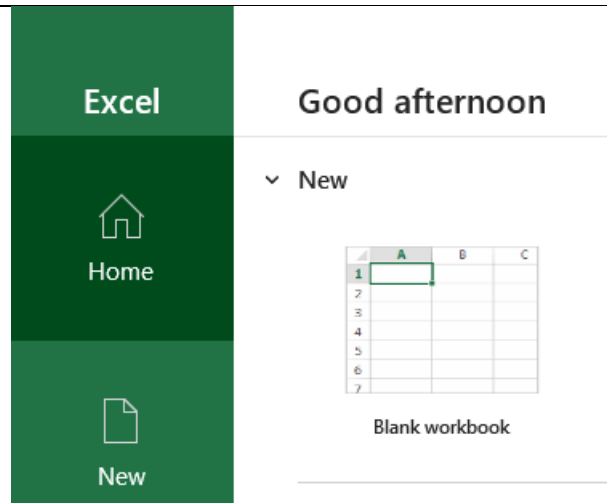
Orange Book Data File Download Instructions

A step-by-step guide to download the latest Orange Book monthly data to Microsoft Excel on Microsoft Windows*.

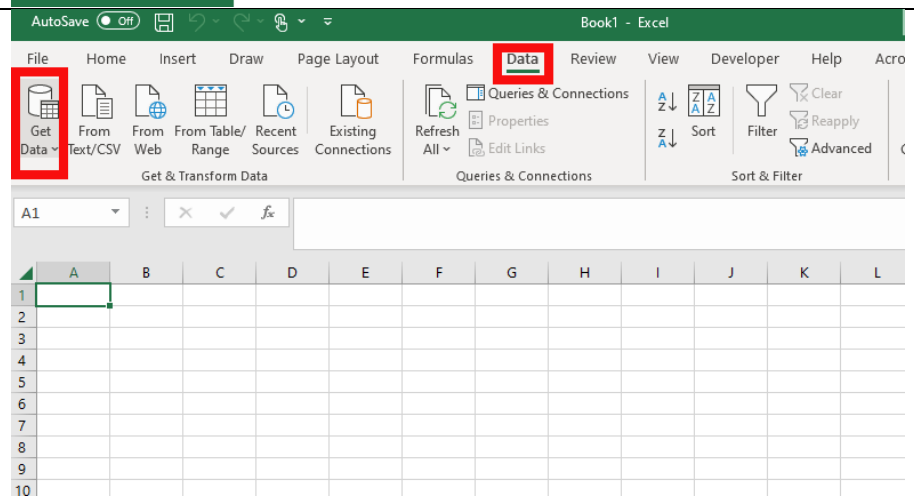
1. Go to the Orange Book website's additional resources and information page found here: Orange Book website	
2. Click on the link on this page titled, "Orange Book Data Files (compressed .zip file)," which appears halfway down the page under the heading "Additional Orange Book Resources."	Additional Orange Book Resources Frequently Asked Questions on The Orange Book Orange Book Data Files (compressed .zip file)  - For additional information, such as descriptions of data fields in the Orange Book Search, please see Orange Book Data Files. Additions/Deletions for Prescription and OTC Drug Product Lists Reference Listed Drugs by ANDA Reference Standard List (PDF - 115 KB) Pre-Hatch-Waxman Abbreviated New Drug Applications (PANDA) in the Orange Book (PDF - 1.76MB)
3. A "zipped" (compressed) file will download to your computer or configured download folder with the latest Orange Book monthly data file (the file name will reflect the year and month).	
4. Locate the folder and double-click to open.	
5. If you are interested in product information, such as marketing	

status, active ingredient, dosage form, route, strength or therapeutic equivalence code, locate the products.txt file to open. If you're interested in reviewing patent and exclusivity information, you can open the other two files.	
6. The file will open showing the Orange Book data in a text file format. After opening this, the next step will be to download and import this information into Excel for analysis.	
7. Save this file (products.txt) under "File" to your computer or OneDrive. You will need to remember where you saved this file.	

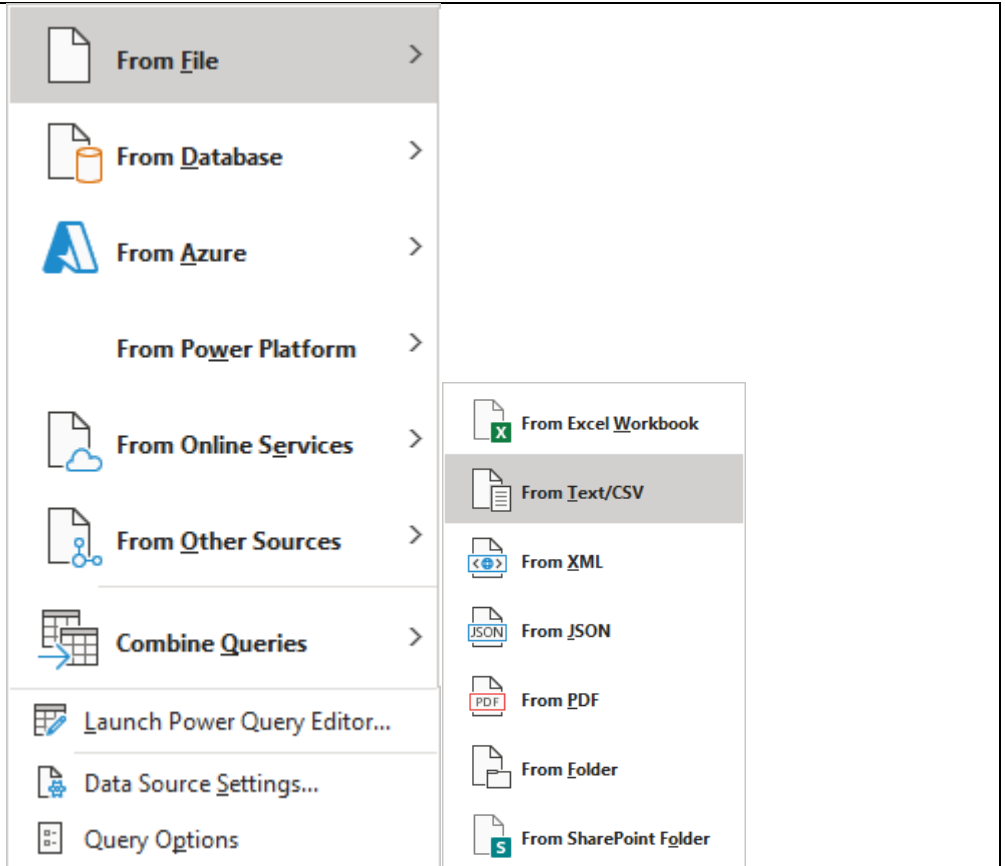
8. Next, open a new Blank workbook in Excel.



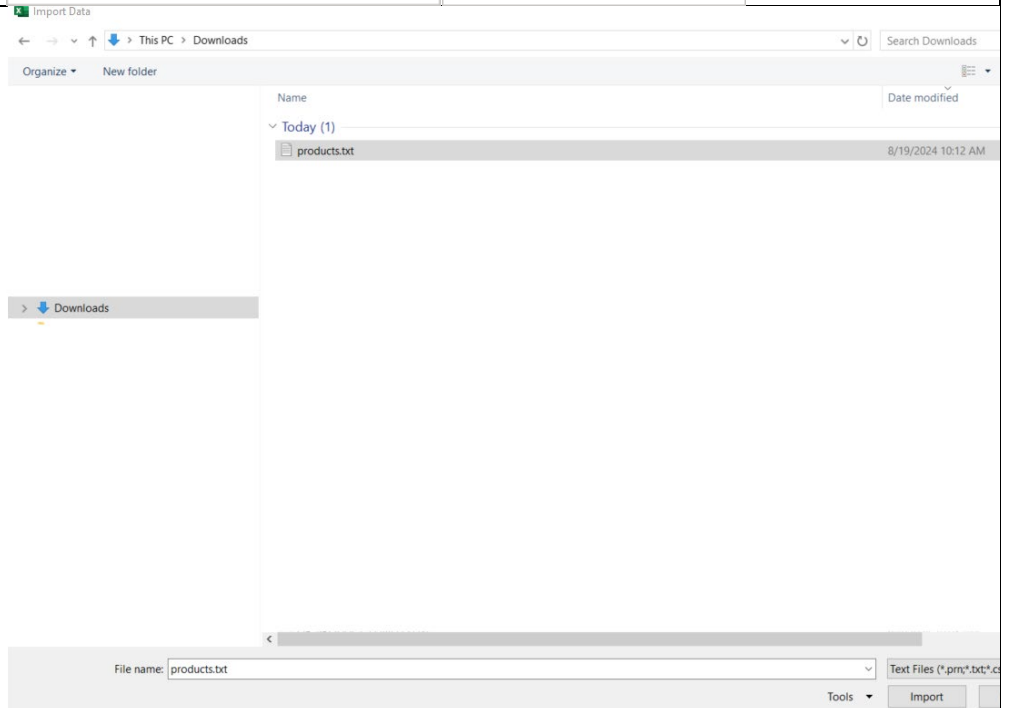
9. After Excel opens a new workbook, locate the “Data” tab at the top of the ribbon, and select “Get Data” from option on the left.



10. Select “From File”
and “From
Text/CSV”



11. Then locate the file
products.txt you
previously saved in
Step 7.



12. When the window opens, change the settings under “Delimiter” to “— Custom—” from the dropdown. When the second dropdown appears, enter in ~ or the tilde special character from your keyboard and press the “tab” button. You will now see a preview of the Orange Book data underneath the dropdowns. Click on “Load” in the bottom right corner of the screen.

products.txt

File Origin: 1252: Western European (Windows)

Delimiter: --Custom--

Data Type Detection: Based on first 200 rows

Ingredient	Form	Trade Name	Applicant
BUDESONIDE	AEROSOL, FOAM;RECTAL	BUDESONIDE	PADAGIS ISRAEL
BUDESONIDE	AEROSOL, FOAM;RECTAL	UCERIS	SALIX
MINOCYCLINE HYDROCHLORIDE	AEROSOL, FOAM;TOPICAL	AMZEEQ	JOURNEY
AZELAIC ACID	AEROSOL, FOAM;TOPICAL	AZELAIC ACID	TEVA PHARMS USA
BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	NOVAST LABS
BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	PADAGIS ISRAEL
BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	TARO
BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	XIROMED
BETAMETHASONE DIPROPIONATE, CALCIPOTRIENE	AEROSOL, FOAM;TOPICAL	CALCIPOTRIENE AND BETAMETHASONE DIPROPIONATE	GLENMARK PHARMAS LTD
CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLINDAMYCIN PHOSPHATE	GLENMARK PHARMAS LTD
CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLINDAMYCIN PHOSPHATE	PADAGIS ISRAEL
CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLINDAMYCIN PHOSPHATE	TARO
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	ALEMBIC
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	GLENMARK PHARMAS LTD
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	GLENMARK PHARMAS LTD
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	NOVAST LABS
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	PADAGIS ISRAEL
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	PADAGIS ISRAEL
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	TARO
CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	TARO

Load Transform Data

The Orange Book data will now display in a structured excel workbook. The user may now filter any of the columns as needed to generate the specific information they are interested in.

*To filter the approval date column, you will need to change a certain setting, which is not covered in this guide.

Ingredient	Form	Trade Name	App Name	St. Strength	Appl Type	Appl No.	Product No.	Te. Co. #	Ac. Approval Date
1. BUDESONIDE	AEROSOL, FOAM;RECTAL	BUDESONIDE	PADAGIS ISRAEL	0.05%ACTIVATION	A	215358	1 AB	1	Feb 22, 2023
2. BUDESONIDE	AEROSOL, FOAM;RECTAL	UCERIS	SALIX	2MG/ACTIVATION	N	205613	1 AB	1	Oct 7, 2014
3. MINOCYCLINE HYDROCHLORIDE	AEROSOL, FOAM;TOPICAL	AMZEEQ	JOURNEY	EQ.4% BASE	N	212379	1	1	Oct 18, 2019
4. AZELAIC ACID	AEROSOL, FOAM;TOPICAL	AZELAIC ACID	TEVA PHARMS USA	15%	A	210928	1	1	Oct 7, 2020
5. BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	NOVAST LABS	0.12%	A	207544	1 AB	1	May 24, 2017
6. BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	PADAGIS ISRAEL	0.12%	A	78317	1 AB	1	Nov 26, 2012
7. BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	TARO	0.12%	A	206204	1 AB	1	May 24, 2017
8. BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	XIROMED	0.12%	A	210639	1 AB	1	Apr 18, 2023
9. BETAMETHASONE VALERATE	AEROSOL, FOAM;TOPICAL	BETAMETHASONE VALERATE	GLENMARK PHARMAS LTD	0.064%/0.005%	A	214488	1 AB	1	Mar 21, 2023
10. BETAMETHASONE DIPROPIONATE, CALCIPOTRIENE	AEROSOL, FOAM;TOPICAL	CALCIPOTRIENE AND BETAMETHASONE DIPROPIONATE	GLENMARK PHARMAS LTD	0.064%/0.005%	A	210778	1 AT	1	Sep 20, 2021
11. CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLINDAMYCIN PHOSPHATE	PADAGIS ISRAEL	1%	A	90785	1 AT	1	Mar 31, 2010
12. CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLINDAMYCIN PHOSPHATE	TARO	1%	A	210904	1 AT	1	Mar 11, 2020
13. CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	ALEMBIC	0.05%	A	215858	1 AB1	1	Apr 21, 2022
14. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	GLENMARK PHARMAS LTD	0.05%	A	210809	1 AB1	1	Feb 15, 2019
15. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	GLENMARK PHARMAS LTD	0.05%	A	211440	1 AB2	1	Sep 9, 2019
16. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	NOVAST LABS	0.05%	A	208025	1	1	Jul 31, 2017
17. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	PADAGIS ISRAEL	0.05%	A	77763	1 AB1	1	Mar 10, 2008
18. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	PADAGIS ISRAEL	0.05%	A	201462	1 AB2	1	Aug 14, 2012
19. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	TARO	0.05%	A	208563	1 AB2	1	Mar 14, 2024
20. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	TARO	0.05%	A	208779	1 AB1	1	Oct 4, 2018
21. CLOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	CLOBETASOL PROPIONATE	RESILIA PHARMS	1%	N	205175	1	1	Oct 24, 2013
22. ECOSANGLERITRATE	AEROSOL, FOAM;TOPICAL	ENSTILAR	LEO PHARMA AS	0.064%/0.005%	N	207589	1 AB	1	Oct 22, 2016
23. BETAMETHASONE DIPROPIONATE, CALCIPOTRIENE	AEROSOL, FOAM;TOPICAL	EVOLCIN	NORVUM BIOSCIENCE	1% **Federal Register dete	N	20801	1	1	Oct 22, 2004
24. CLINDAMYCIN PHOSPHATE	AEROSOL, FOAM;TOPICAL	EXTINA	Mylan		N	21738	1	1	Jun 12, 2007
25. KETOCONAZOLE	AEROSOL, FOAM;TOPICAL	FABICOR	MAYNE PHARMA	0.1%	N	202428	1	1	May 11, 2012
26. TAZAROTENE	AEROSOL, FOAM;TOPICAL	FINACEA	LEO PHARMA AS	15%	N	207071	1	1	Jul 29, 2015
27. AZELAIC ACID	AEROSOL, FOAM;TOPICAL	HALOBETASOL PROPIONATE	PADAGIS ISRAEL	0.05%	A	215266	1 AB	1	Aug 11, 2023
28. HALOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL	KETOCONAZOLE	PADAGIS ISRAEL	2%	A	91200	1 AB	1	Aug 25, 2011
29. KETOCONAZOLE	AEROSOL, FOAM;TOPICAL	KETOCONAZOLE	XIROMED	2%	A	213661	1 AB	1	May 23, 2021
30. KETOCONAZOLE	AEROSOL, FOAM;TOPICAL	LEXETTS	MAYNE PHARMA	0.05%	N	210566	1 AB	1	May 24, 2018
31. HALOBETASOL PROPIONATE	AEROSOL, FOAM;TOPICAL								

*Microsoft Excel for Microsoft 365 MSO (Version 2302) is displayed above as an example for demonstration purposes only. To import data using a different spreadsheet software or other versions of Microsoft Excel, please consult the software’s technical documentation or contact your technical support for more information.