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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2024

Re-test Date: Jan 2027

Product Name: Dexlansoprazole Sesquihydrate

Identification:

Chemical Name: 2-[(R)-[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]methyl]sulfinyl]-1H-benzimidazole sesquihydrate

Synonyms : R-(+)-Lansoprazole

CAS Number : 313640-86-7

CAT Number : CP-D69008

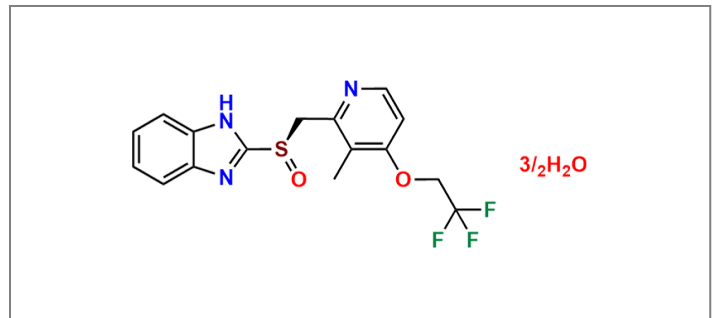
Molecular Formula : C₁₆H₁₄F₃N₃O₂S : 3/2(H₂O)

Molecular Weight : 369.36 : 3/2(18.02)

Batch Number : CP-DEX-IN-0224

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White to Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.93%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	12.71%
8)	Potency by TGA	87.22%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.