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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2024

Re-test Date: Jan 2026

Product Name: Ritonavir EP Impurity U

Identification:

Chemical Name: 1S,3S)-3-[[[(2S)-3-methyl-2-[[methyl[[2-(1-methylethyl)thiazol-4-yl]methyl]carbonyl]amino]butanoyl]amino]-4-phenyl-1-[(1S)-2-phenyl-1-[[[(thiazol-5-yl)methoxy]carbonyl]amino]ethyl]butyl (2S)-3-methyl-2-[[methyl[[2-(1-methylethyl)thiazol-4-yl]methyl]carbonyl]amino]butanoate (as per EP)

Synonyms : O-Acyl Ritonavir (USP)

CAS Number : NA

CAT Number : CP-R16021

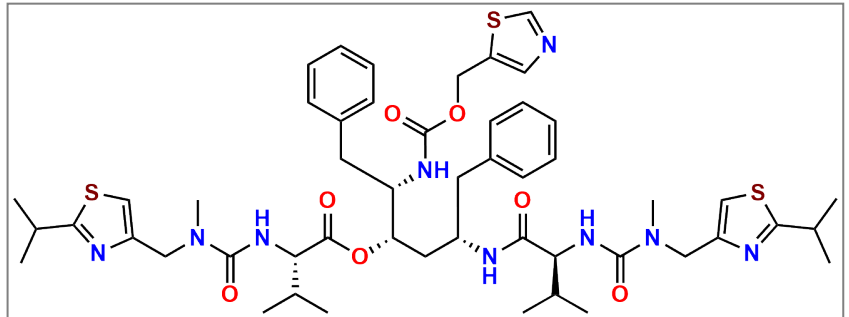
Molecular Formula : C₅₁H₆₉N₉O₇S₃

Molecular Weight : 1016.35

Batch Number : CP-RIT-U-0224

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.2%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



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.