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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Ritonavir EP Impurity S**

**Identification:**

Chemical Name: Thiazol-5-yl-methyl [(1S,2S,4S)-1-benzyl-4-[(2S)-2[[[(1S,3S,4S)-1-benzyl-3-hydroxy-5-phenyl-4-[[[(thiazol-5-ylmethoxy)carbonyl]amino]pentyl]carbamoyl] amino]-3-methylbutanoyl]amino]-2-hydroxy-5-phenylpentyl]carbamate (as per EP);(3S,4S,6S,10S,13S,15S,16S)-Bis(thiazol-5-ylmethyl)-4,15-dihydroxy-10-isopropyl-8,11-dioxo-3,6,13,16-tetrabenzyl-2,7,9,12,17-pentaazaoctadecanedioate (as per USP)

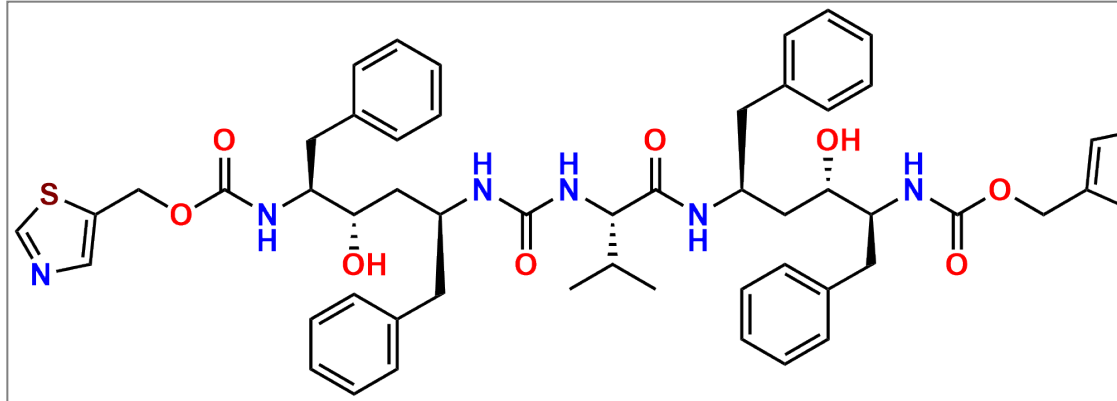
Synonyms : Ritonavir Diacyl  
valine urea  
Analog (USP)

CAS Number : 2084828-53-3

CAT Number : CP-R16033

Molecular Formula : C52H61N7O8S2

Molecular Weight : 976.2



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

**Prepared and Reviewed By**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

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