

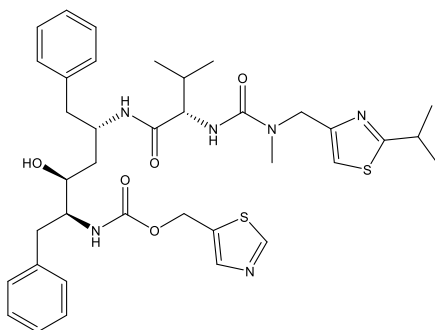
Catalog # 10-4484

Ritonavir

CAS# 155213-67-5

1,3-Thiazol-5-ylmethyl N-[(2S,3S,5S)-3-hydroxy-5-[[[(2S)-3-methyl-2-[[methyl-2-[(2-propan-2-yl-1,3-thiazol-4-yl)methyl]carbamoyl]amino]butanoyl]amino]-1,6-diphenylhexan-2-yl]carbamate

Lot # FBS2077



Ritonavir (155213-67-5) is a clinically useful HIV-1/HIV-2 protease inhibitor.¹ Potent inhibitor of cytochrome P450 3A4.^{2,3}

- 1) Lea and Faulds (2018) *Ritonavir Drugs* **52** 541
- 2) Koudriakova *et al.* (1998) *Metabolism of the Human Immunodeficiency Virus Protease Inhibitors Indinavir and Ritonavir by Human Intestinal Microsomes and Expressed Cytochrome P4503A4/3A5: Mechanism-Based Inactivation of Cytochrome P3503A by Ritonavir Drug Metab. Dispos.* **26** 552
- 3) Rock *et al.* (2014) *Characterization of Ritonavir-Mediated Inactivation of Cytochrome P450 3A4, Mol. Pharmacol.* **86** 665

PHYSICAL DATA

Molecular Weight:	720.95
Molecular Formula:	C ₃₇ H ₄₈ N ₆ O ₅ S ₂
Purity:	>98% (HPLC)
Solubility:	DMSO (12 mg/ml with warming); ethanol (5mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to one year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months

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