LKT Laboratories, Inc.

Ritonavir

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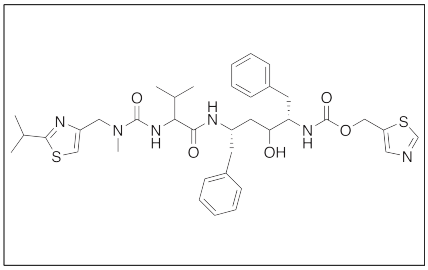
Product Information

Product ID R3577
CAS No. 155213-67-5
Chemical Name

Synonym Norvir, A-84538, ABT-538, NSC693184, RTV

Formula $C_{37}H_{48}N_6O_5S_2$
Formula Wt. 720.95
Melting Point 120-123°C
Purity ≥98%
Solubility DMSO to 10 mg/mL, Ethanol to 3 mg/mL, Methanol



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
R3577	100 mg	$84.50
R3577	250 mg	$169.10
R3577	1 g	$464.90

Store Temp Ambient
Ship Temp Ambient

Description Ritonavir is an HIV protease inhibitor that is commonly used as a component of highly active anti-retroviral therapy (HAART) in the treatment of HIV infection. Ritonavir exhibits antiviral, anti-angiogenic, neuroprotective, and hyperlipidemic activities. Ritonavir inhibits expression of VEGF and HIF-1α, decreasing proliferation in retinal epithelial cells and indicating potential use as a treatment for ocular diseases. Ritonavir also inhibits translocation of apoptosis-inducing factor (AIF), activates caspase 9, and inhibits permeability alterations in the mitochondrial membrane potential, preventing apoptosis in retinal photoreceptor cells and macrophages. This compound decreases levels of sarco/endoplasmic reticulum Ca2+-ATPase (SERCA) and intracellular Ca2+, increasing endoplasmic reticular stress and injury. Additionally, ritonavir increases levels of IL-6 and decreases levels of adiponectin, GLUT4, and fatty acid synthase, inhibiting lipogenesis and increasing lipodystrophy; this compound also increases levels of VLDL.

References

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