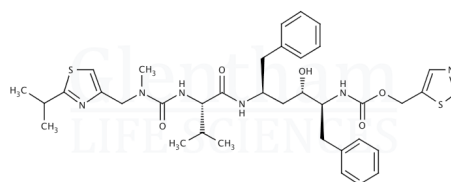


Certificate of Analysis

Product Name	Ritonavir
Glentham Code	GP3714
CAS Number	155213-67-5
MDL Number	MFCD00927142
PubChem SID	310279746
Batch Number	457KPB

Molecular Weight	720.94
Molecular Formula	C ₃₇ H ₄₈ N ₆ O ₅ S ₂
Storage Temp.	+20°C



Property	Specification	Batch 457KPB
Physical Description	White to off-white powder	White powder
Solubility (1% in DMSO)	Clear, colourless to very faint yellow solution (on warming)	Clear, colourless solution
Specific Optical Rotation ([α] _D ²⁰)	+7.0 - +10.0 ° (c=2, methanol)	+8.93 °
Melting Point	121.0 - 127.0 °C	122.9 - 124.7 °
Water	≤ 0.5%	0.2%
Assay	≥ 98.0%	99.4%

Specification Version	v1.1
Manufacture Date	2020-11-24
Re-Test Date	2029-02-18

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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