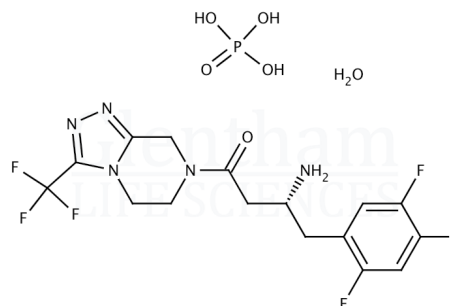


Product Specification

Product Name	Sitagliptin phosphate monohydrate
Glentham Code	GP5441
CAS Number	654671-77-9
MDL Number	MFCD10001393
Additional CAS	654671-78-0 (anhy.)
Molecular Weight	505.31
Molecular Formula	$C_{16}H_{15}F_6N_5O \cdot H_3PO_4 \cdot H_2O$
Storage Temp.	-20°C



Property	Specification
Physical Description	White to almost white powder
Identification	IR, HPLC
Solubility (5% in water)	Clear, colourless solution
Specific Optical Rotation	-23.0 - -18.0 ° (c=1, water)
Sulphate	≤ 0.02%
Chloride	≤ 0.05%
Phosphate	18.0 - 20.0 %
Residue on Ignition	≤ 0.1%
Enantiomeric Impurity	≤ 1.0%
Any Individual Impurity	≤ 0.5%
Total Impurities	≤ 1.0%
Residual Solvents	Isopropanol: ≤ 1000ppm Methanol: ≤ 1000ppm Toluene: ≤ 500ppm DMF: ≤ 500ppm Acetonitrile: ≤ 200ppm
Heavy Metals	≤ 20ppm
Water	3.0 - 5.0 %
Assay (HPLC)	99.0 - 101.0 %

Specification Version	-	v1.0
Date Created	-	2016-12-01

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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