



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-473977
Lot Number: SAMPLE
Product Name: ent-Sitagliptin Phosphate
CAS Number: 823817-58-9
Molecular Formula: $C_{16}H_{15}F_6N_5O \cdot H_3PO_4$
Molecular Weight: 505.31

Test	Specification	Result
Appearance	White to off-white solid	Complies
Assay	$\geq 95.0\%$	97.0%
Chiral purity (HPLC)	$\geq 98.0\%$	99.2%
Identification (1H-NMR)		Complies
Identification (Mass Spectrometry)		Complies
Purity (HPLC)	$\geq 98.0\%$	99.8%
Residual Solvents		0.1% Methanol (NMR)
Solubility		Methanol, DMSO, DMF, Alkaline solution
Impurity		RT 5.84, 0.2% (HPLC)
Water Content (KF)		2.7%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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