



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-475040
Lot Number: SAMPLE
Product Name: (2R)-Vildagliptin
CAS Number: 1036959-27-9
Molecular Formula: $C_{17}H_{25}N_3O_2$
Molecular Weight: 303.4

Test	Specification	Result
Appearance		Pale Beige Solid
Identification (FTIR)		Complies
Identification (1H-NMR)		Complies
Identification (13C-NMR)		Complies
Identification (Mass Spectrometry)		Complies
Purity (TLC)		98 %
Atmosphere		Air
Elemental Analysis	%C: 67.30 %H: 8.31 %N: 13.85	%C: 67.26 %H: 8.31 %N: 13.81
Melting Point		147.5 - 150.5 °C
Solubility		Chloroform (Sparingly), Methanol (Sparingly)
Specific Rotation		+86.5° (c = 0.34, chloroform)

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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