



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-396024
Lot Number: SAMPLE
Product Name: rac Clopidogrel-13C,d3 Hydrogen Sulfate
CAS Number: 1246814-55-0
Molecular Formula: $C_{16}(^{13}C)H_{13}D_3ClNO_2S \cdot H_2SO_4$
Molecular Weight: 423.91
Native Source: Synthetic

Test	Specification	Result
Appearance	White to off-white solid	Off-white solid
Identification (NMR)	Consistent with structure	Complies
Identification (13C-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity	> 95%	96.3% (d0 = 0.20%)
Purity		97%
Specific Rotation		-0.4° (c = 0.2, Methanol)
Carbon Content		45.26%
Hydrogen Content		4.09%
Nitrogen Content		3.20%
Sulfate		22.84% by Ion Chromatography

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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