



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219816
Lot Number: SAMPLE
Product Name: rac Clopidogrel-d4 Hydrogen Sulfate
CAS Number:
Molecular Formula: $C_{16}H_{12}D_4ClNO_2S \cdot H_2SO_4$
Molecular Weight: 423.92
Native Source: Synthetic

Test	Specification	Result
Appearance		Off white solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.5%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		> 204 °C (dec.)
Solubility		Methanol (slightly), Water (slightly)
Carbon Content	45.33%	44.87%
Hydrogen Content	4.29%	Complies
Nitrogen Content	3.30%	3.22%
Sulfate		23.73% (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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