



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-484796
Lot Number: SAMPLE
Product Name: Methotrexate-d3 Heptaglutamate Trifluoroacetate
CAS Number: 432545-63-6
Molecular Formula: $C_{50}H_{61}D_3N_4O_{23} \cdot C_2HF_3O_2$
Molecular Weight: 1346.13

Test	Specification	Result
Appearance		Yellow to orange solid
Identification (1H-NMR)	Consistent with structure	Complies
Identification (19F-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity		100.0%
Purity (TLC)		98%
Melting Point		> 129 °C (dec.)
Carbon Content	48.74%	43.59%
Hydrogen Content	5.24%	4.98%
Nitrogen Content	15.91% (Free Base)	13.59% (Free Base)

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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