



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-219565
Lot Number: SAMPLE
Product Name: Pemetrexed-d5 Disodium Salt
CAS Number: 150399-23-8 (unlabeled)
Molecular Formula: $C_{20}H_{14}D_5N_5Na_2O_6$
Molecular Weight: 476.41
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		97.9%
Purity (TLC)		98%
Atmosphere		Inert gas
Melting Point		255 - 260 °C (dec.)
Solubility		Methanol (slightly), water (slightly)
Carbon Content	50.42%	42.07%
Hydrogen Content	4.02%	4.90%
Nitrogen Content	14.70%	12.21%
Sodium Content		8.39% (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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