



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-217836
Lot Number: SAMPLE
Product Name: Carbidopa-d5
CAS Number: 1185134-76-2
Molecular Formula: $C_{10}H_9D_5N_2O_4$
Molecular Weight: 231.26
Native Source: Synthetic

Test	Result
Appearance	Light Grey to Pale Beige Solid
Identification (1H-NMR)	Consistent with structure
Identification (Mass Spectrometry)	Consistent with structure
Isotopic Purity	97.9 %
Purity (TLC)	95 %
Atmosphere	Inert gas
Melting Point	>184.0 °C (dec.)
Solubility	DMSO (Sparingly), Water (Sparingly)
Carbon Content	(Found): 50.96 % (Calculated): 51.94 %
Hydrogen Content	(Found): 6.14 % (Calculated): 6.10 %
Nitrogen Content	(Found): 11.83 % (Calculated): 12.11 %

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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