



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-219822
Lot Number: SAMPLE
Product Name: rac Didemethyl Citalopram Hydrochloride
CAS Number: 1189694-81-2
Molecular Formula: $C_{18}H_{17}FN_2O \cdot HCl$
Molecular Weight: 332.80
Native Source: Synthetic

Test	Specification	Result
Appearance	Pale yellow to light yellow solid	Pale beige solid
Identification (FTIR)	Consistent with structure	Complies
Identification (NMR)	Consistent with structure	Complies
Identification (19F-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)	> 95%	99.36% (240 nm)
Purity (TLC)		98%
Specific Rotation		+0.4° (c = 0.5, Methanol)
Carbon Content	64.96%	64.12%
Hydrogen Content	5.45%	5.37%
Nitrogen Content	8.42%	8.19%
Water Content (KF)		1.6%

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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