



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-210702
Lot Number: SAMPLE
Product Name: 9-Carboxy-10-methylacridinium Trifluoromethanesulfonic Acid Salt
CAS Number: 173920-64-4
Molecular Formula: $C_{16}H_{12}F_3NO_5S$
Molecular Weight: 387.33
Native Source: Synthetic

Test	Specification	Result
Appearance		Yellow Solid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{19}F -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		98%
Atmosphere		Air
Melting Point		239 - 241 °C (dec.)
Solubility		DMSO, Methanol
Carbon Content	49.61%	48.83%
Ether		1%
Fluorine	14.71%	16.68%
Hydrogen Content	3.12%	3.16%
Nitrogen Content	3.62%	3.49%

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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