



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203137
Lot Number: SAMPLE
Product Name: (+)-MK 801 Maleate
CAS Number: 77086-22-7
Molecular Formula: $C_{16}H_{15}N \cdot C_4H_4O_4$
Molecular Weight: 337.37

Test	Specification	Result
Appearance	White to off-white solid	White solid
Microanalysis	Elemental analysis within 0.4 of expected result for each element tested	Complies
Identification (NMR)	Consistent with structure and shows <1% of any other impurity	Complies
Identification (Mass Spectrometry)	Electrospray positive analysis shows mass ion corresponding to $[MC_4H_4O_4+H]^+$	Mass ion: 222.1
Identification (TLC)		Single spot $R_f=0.41$
Purity (HPLC)	$\geq 98\%$ by RP analysis	> 99%
Solubility	Soluble in DMSO to 100 nM and in ethanol to 50 mM	Complies
Optical Rotation	+108° - +128° at 589 nm in methanol	+113* (c=1 in methanol at 25°C)

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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