



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-477470
Lot Number: SAMPLE
Product Name: Montelukast Methyl Ester
CAS Number: 855473-51-7
Molecular Formula: $C_{36}H_{38}ClNO_3S$
Molecular Weight: 600.21
Native Source: Synthetic

Test	Specification	Result
Appearance		Pale beige solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (UHPLC)		99.35%
TLC		Complies
Atmosphere		Air
Melting Point		43 - 47°C
Solubility		Chloroform (slightly), DMSO (slightly), Methanol (slightly)
Specific Rotation		+96.9° (c = 0.2, Methanol)
Carbon Content	72.04%	71.98%
Hydrogen Content	6.38%	6.42%
Nitrogen Content	2.33%	2.28%

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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