



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-357082
Lot Number: SAMPLE
Product Name: 6-Fluoro-1-methyl-4-oxo-7-(1-piperazinyl)-4H-(1,3)thiazeto(3,2-a)quinoline-3-carboxylic acid
CAS Number: 112984-60-8
Molecular Formula: $C_{16}H_{16}FN_3O_3S$
Molecular Weight: 349.37

Test	Specification	Result
Appearance		Yellow solid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{19}F -NMR)		Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		95%
Atmosphere		Air
Melting Point		> 165 °C (dec.)
Solubility		DMSO
Carbon Content		47.15%
Hydrogen Content		5.04%
Nitrogen Content		10.13%

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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