



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-497217
Lot Number: SAMPLE
Product Name: 2-[2,6-Dinitro-4-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)hydrazinecarbothioamide
CAS Number: 454453-49-7
Molecular Formula: $C_{14}H_9F_4N_5O_4S$
Molecular Weight: 419.31

Test	Specification	Result
Identification (Infrared Spectrum)		Consistent with standard
Identification (Mass Spectrometry - ESI)	M-H+: 418.1	Complies
Purity (HPLC)	≥ 98%	100.0 % Retention Time Actual.: 6.30 min
Purity (TLC)	≥ 98%	100.00% Rf: 0.42
Melting Point	185 - 194 °C (dec.)	189 - 191 °C (dec.)
λ_{max} 1	366 nm	Complies
λ_{max} 2	232 nm	Complies
λ_{max} 3	226 nm	Complies

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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