



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-478228  
Lot Number: SAMPLE  
Product Name: 3-Nitrocarbazole  
CAS Number: 3077-85-8  
Molecular Formula:  $C_{12}H_8N_2O_2$   
Molecular Weight: 212.20  
Native Source: Synthetic

Test	Specification	Result
Appearance		Dark red - brown solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		98%
Atmosphere		Air
Melting Point		214 - 216 °C
Solubility		DMSO (slightly), Methanol (very slightly, heated)
Carbon Content	67.92%	67.70%
Hydrogen Content	3.80%	3.79%
Nitrogen Content	13.20%	13.19%

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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