



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-471862  
Lot Number: SAMPLE  
Product Name: DL-erythro Ritalinic acid hydrochloride  
CAS Number: 19130-92-8  
Molecular Formula:  $C_{13}H_{17}NO_2 \cdot HCl$   
Molecular Weight: 255.74  
Native Source: Synthetic

Test	Specification	Result
Appearance		White to off-white solid
Identification ( $^1H$ -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		95%
Atmosphere		Inert gas
Melting Point		> 208 °C (dec.)
Solubility		DMSO (slightly, heated), Methanol (very slightly, heated), Water (very slightly)
Specific Rotation		+7.5°
Carbon Content	61.05%	57.69%
Chloride		13.8%
Hydrogen Content	7.09%	7.47%
Nitrogen Content	5.48%	5.48%

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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