



INDOFINE Chemical Company, Inc.

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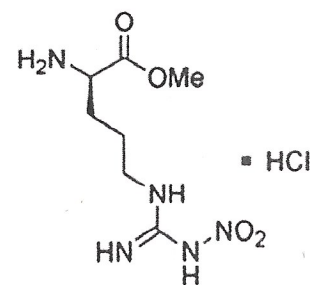
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Certificate of Analysis

Catalogue Number	04-2169
Lot Number	000424-150104-12925
Product	N^ω-Nitro-D-arginine methyl ester hydrochloride D-Arg(NO ₂)-OMe•HCl
CAS Number	50912-92-0
Molecular Formula	C ₇ H ₁₅ N ₅ O ₄ •HCl
Molecular Weight	269.7

Appearance	White to off white powder
Solubility	Clear solution (0.3 g in 5 mL H ₂ O)
Melting Point	156.3-156.9 °C
Water Content (Karl Fisher)	0.268%
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2)
Optical Rotation	[α] _D ²⁰ = -13.2° (c=3.2 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.14% (60 °C for 2 hours)
¹ H NMR	Conforms to structure
Purity by HPLC	99.65%
Purity by TLC	> 98%
Storage	Store at 0-8 °C



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