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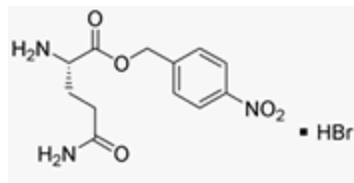
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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	06038
Product	L-Glutamine α-4-nitrobenzyl ester hydrobromide L-Gln-ONb•HBr
CAS Number	14349-18-9
Molecular Formula	C ₁₂ H ₁₅ N ₃ O ₅ •HBr
Molecular Weight	362.19
Appearance	White powder
Solubility	Clear, colorless solution (25 mg/mL in 50% Methanol)
Melting Point	165-169 °C
Elemental Analysis (Theory)	C = 39.8%, H = 4.5%, N = 11.6% [Calc. as 1 HBr (22.3%)]
Elemental Analysis (Found)	C = 40.2 ± 0.5%, H = 4.4 ± 0.5%, N = 11.7 ± 0.5% [Calc. as 1 HBr (22.3%)]
TLC System	n-Butanol/Acetic acid/H ₂ O (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:30:9:16.5) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = +11 ± 2° (C=2 in DMF)
Titration	Bromide Content: ≥ 22% (AgNO ₃)
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C

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For Laboratory Use Only