



Melting Point: Mp 231.5° (225-226°)

Optical Rotation: $[\alpha]_D^{25} +30$ (1M HCl)

Solubility: BERDY SOL: Sol. H₂O; fairly sol. MeOH

UV: [neutral] $\lambda_{\max}$ 246 () (H₂O) (Berdy) [acid] $\lambda_{\max}$ 246 () (HCl) (Berdy) [base] $\lambda_{\max}$ 260 () (NaOH) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 5000 mg/kg

>>**Derivative:** *N*⁵-(4-Methoxybenzyl)

Synonym(s): *N*⁵-(4-Methoxybenzyl)glutamine

Molecular Formula: C₁₃H₁₈N₂O₄

Molecular Weight: 266.296

Accurate Mass: 266.126658

Percentage Composition: C 58.64%; H 6.81%; N 10.52%; O 24.03%

Biological Source: Constit. of the xylem sap of the roots of *Cucurbita maxima* x *Cucurbita moschata*

Physical Description: Amorph. solid

Melting Point: Mp 214-215 dec.°

Optical Rotation: $[\alpha]_D^{22} +23$ (c, 0.1 in 1M HCl)

UV: [neutral] $\lambda_{\max}$ 224 (log ϵ 4.1); 273 (log ϵ 3.2) (H₂O)

>>**Variant:** (±)-form

CAS Registry Number: 585-21-7

Molecular Formula: C₅H₁₀N₂O₃

Molecular Weight: 146.146

Accurate Mass: 146.069143

Percentage Composition: C 41.09%; H 6.90%; N 19.17%; O 32.84%

Physical Description: Prisms (Me₂CO aq.)

Melting Point: Mp 186 dec.°

References:

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