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Product Specifications

Catalogue Number 05529

Product **Boc-Gln-Gln-OH**

CAS Number 250290-76-7

Molecular Formula C₁₅H₂₆N₄O₇

Molecular Weight 374.39

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in MeOH)

Melting Point 91-95 °C

Water Content (Karl Fisher) ≤ 1%

TLC System Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36)
Methanol/Chloroform/Ammonia 17% (2:2:1)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, Chlorine-Tolidine

Optical Rotation [α]_D²⁰ = -13 ± 2° (C=1 in MeOH)

D-Enantiomer ≤ 0.1%

Purity by TLC ≥ 98%

Chiral Purity ≥ 99.9% (ee, GC)

Storage Store at 0-8 °C

For Laboratory Use Only