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Product Specifications

Catalogue Number 07835

Product **Boc-Glu(OBzl)-Gly-Arg-AMC•HCl**

CAS Number 133448-22-3

Molecular Formula C₃₅H₄₅N₇O₉•HCl

Molecular Weight 744.24

Appearance Yellowish powder

Solubility Clear, very pale solution (50mg/mL in Methanol)

Elemental Analysis (Theory) C = 54.25%; H = 6.43%; N = 12.65%; calculated as 1 HCL (Cl 4.71%) x 1.7 H₂O (3.95%)

Elemental Analysis (Found) C = 54.25 ± 0.5%; H = 6.43 ± 0.5%; N = 12.65 ± 0.5%; calculated as 1 HCL (Cl 4.71%) x 1.7 H₂O (3.95%)

Water Content (Karl Fisher) ≤ 4%

TLC System Chloroform/Methanol/Acetic acid (77.5:15:7.5)
Ethylacetate/Pyridine/Acetic acid/H₂O (60:20:6:11)
Chloroform/Methanol/Acetic acid/H₂O (70:42:0.5:10)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Titration Chloride content: ≥ 4.0% (AgNO₃)

Purity by HPLC ≥ 96%

Purity by TLC ≥ 97%

Additional Information Related impurities (TLC): < 0.1% (7-amino-4-methylcoumarin)

For Laboratory Use Only