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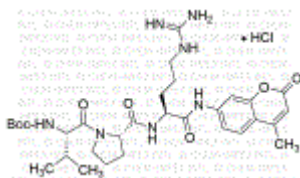
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 32837

Product **Boc-Val-Pro-Arg-AMC hydrochloride salt**

Boc-Val-Pro-Arg-AMC hydrochloride salt

CAS Number 65147-04-8 (net), 70375-24-5

Molecular Formula C₃₁H₄₅N₇O₇•HCl

Molecular Weight 664.2

Appearance White powder

Appearance of Solution Clear colorless solution (50 mg/mL in Methanol)

Melting Point 178 - 184 °C

Elemental Analysis (Theory) C : 55.9%, H : 7% and N : 14.7%
Calculated as 1 HCl (Cl 5.32%) x 0.1 H₂O (0.27%)

Water Content (Karl Fisher) ≤ 1%

TLC System Chloroform/Methanol/Acetic acid/Water 45/13/1/2
Chloroform/Methanol/Acetic acid/Water 60/45/14/6
Ethylacetate/Pyridine/Acetic acid/Water 60/20/6/11
Plate : Silicagel 60 F254
Detected by UV (366 nm), Ninhydrine, TMB

Related Substances AMC (7-amido-methylcoumarin) : ≤ 0.1%
H-Arg-AMC : ≤ 0.2%

Assay ≥ 90% (Elemental analysis Nth : 15.62%)

Assay by titration Chloride content : ≤ 7% (AgNO₃)

Purity by TLC ≥ 99%

Storage Store at 0 - 8 °C

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For Laboratory Use Only