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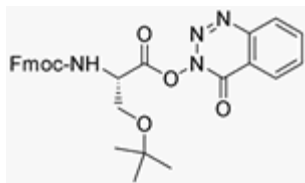
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	03735
Product	Fmoc-<i>O</i>-tert-butyl-L-serine 3,4-dihydro-3-hydroxy-4-oxo-1,2,3-benzotriazine ester Fmoc-L-Ser(tBu)-ODhbt
CAS Number	109434-27-7
Molecular Formula	C ₂₉ H ₂₈ N ₄ O ₆
Molecular Weight	528.6
Appearance	Off-white powder
Solubility	Clear, light yellow solution (50 mg/ml in dioxane)
Water Content (Karl Fisher)	≤ 0.5%
TLC System	Toluene/dioxane/acetic acid: 95/25/4 Chloroform/ethylacetate/acetic acid: 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = - 32 ± 2 ° (C=1, in THF)
Residual Solvents	≤ 2% (IPE) ≤ 7% (Acetone)
Assay	≥ 92% (Elemental analysis based on Nitrogen content)
Purity by TLC	≥ 98% (decomposes on TLC plate)
Storage	Store at 0-8°C

For Laboratory Use Only