
GL Biochem Catalogue Compound Fmoc-D-His(Trt)-OH Specifications & Structure Indications

IUPAC Name	(2R)-2-(9H-fluoren-9-ylmethoxycarbonylamino)-3-(1-tritylimidazol-4-yl)propanoic acid
Synonyms	FMOC-N-IM-TRITYL-D-HISTIDINE;FMOC-D-HIS(1-TRT)-OH;FMOC-D-HISTIDINE(1-TRT)-OH;FMOC-D-HISTIDINE(TRITYL);FMOC-D-HIS(T-TRT)-OH;FMOC-D-HIS(TRT);FMOC-D-HIS(TRT)-OH;N-ALPHA-FMOC-N-IM-TRITYL-D-HISTIDINE
GLB Cat#	36705
SMILES	<chem>O=C(O)[C@H](NC(OCC1C2=CC=CC=C2C3=CC=CC=C31)=O)CC=4N=CN(C4)C(C5=CC=CC=C5)(C6=CC=CC=C6)C7=CC=CC=C7</chem>
Molecular Weight	619.7092
Specific Rotation $[\alpha]^{20}_D$	$-86^\circ \pm 10^\circ$ (C=5 in CHCl ₃)
Optical purity	≤0.25% Fmoc-L-His(Trt)-OH Enantiometer
Melting Point	~140°C
Solubility	0.3 gram in 2ml DMF clear solution
Loss on drying	≤2.0% (80°, 2h)
Water Content (K.F.)	≤2.0%
NMR Spectrum	Complies with the structure
Mass Spectrum	Complies with the structure
IR Spectrum	Complies with the structure

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