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GL Biochem Catalogue Compound Fmoc-L-Lys(Mtt)-OH Specifications & Structure Indications

IUPAC Name	(2S)-2-({(9H-fluoren-9-yl)methoxy}carbonyl)amino)-6-{{(4-methylphenyl)diphenylmethyl}amino}hexanoic acid
Synonyms	Fmoc-L-LYS(MTT)-OH;Fmoc-LYS(CH3TRT)-OH;Fmoc-LYSINE(4-METHOXYTRITYL)-OH;Fmoc-LYSINE(MTT)-OH;Fmoc-LYS(MEOTRT)-OH;Fmoc-LYS(MMT)-OH;Fmoc-LYS(4-METHOXYTRITYL)-OH
GLB Cat#	36813
SMILES	<chem>CC1=CC=C(C(C2=CC=CC=C2)(NCCCC[C@H](NC(OCC3C4=CC=CC=C4C5=CC=CC=C53)=O)C(O)=O)C6=CC=CC=C6)C=C1</chem>
Molecular Weight	624.79
Specific Rotation $[\alpha]^{20}_D$	$-11^\circ \pm 3^\circ$ (C=3 in DMF)
Optical purity	$\leq 0.5\%$ Fmoc-D-Lys(Mtt)-OH Enantiomer
Melting Point	100~160°C
Solubility	0.3 gram in 2ml DMF clear solution
Loss on drying	$\leq 1.0\%$ (50°, 2h)
Water Content (K.F.)	$\leq 1.0\%$
NMR Spectrum	Complies with the structure
Mass Spectrum	Complies with the structure
IR Spectrum	Complies with the structure