

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

IUPAC Name	(2S)-6-[[1-(4,4-dimethyl-2,6-dioxocyclohexylidene)-3-methylbutyl]amino]-2-[[[(9H-fluoren-9-yl)methoxy]carbonyl]amino]hexanoic acid
Synonyms	Fmoc-Lys(Ddiv)-OH;(S)-2-(((9H-fluoren-9-yl)methoxy)carbonylamino)-6-(1-(4,4-dimethyl-2,6-dioxocyclohexylidene)-3-methylbutylamino)hexanoic acid;FMoc-Lys(ivDde)-OH N-α-FMoc-N-ε-1-(4,4-diMethyl-2,6-dioxocyclohex-1-ylidene)-3-Methylbutyl-L-lysine;FMoc-Lys(Ddiv)-OHFMoc-Ly; Fmoc-Lys(ivDde)-OH Novabiochem;Nalpha-Fmoc-Nepsilon-[1-(4,4-dimethyl-2,6-dioxocyclohexylidene)-3-methylbutyl]-L-lysine;FMOC-N-EPSILON-1-(4,4-DIMETHYL-2,6-DIOXOCYCLOHEX-1-YLIDENE)-3-METHYLBUTYL-L-LYSINE
GLB Cat#	36883
SMILES	<chem>CC(CC(NCCCC[C@H](NC(OCC1C2=CC=CC=C2C3=CC=CC=C31)=O)C(O)=O)=C4C(CC(C)(CC4=O)C)=O)C</chem>
Molecular Weight	574.72
Specific Rotation $[\alpha]^{20}/D$	$-4^{\circ} \pm 3^{\circ}$ (C=1 in DMF)
Optical purity	≤0.5% Fmoc-D-Lys(ivdde)-OH Enantiometer
Melting Point	>100°C
Solubility	0.3 gram in 2ml DMF clear solution
Loss on drying	≤2.0% (40°, 2h)
Water Content (K.F.)	≤1.0%
NMR Spectrum	Complies with the structure
Mass Spectrum	Complies with the structure
IR Spectrum	Complies with the structure