



Product Information

p38-MAPK inhibitor Skepinone-L, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ886

Size: 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 1221485-83-1

Compound CID: 45279963

Synonym: Skepinone-L; 1221485-83-1; Skepinone L; CBS3830; ChEMBL2152944;

(*R*

)-2-((2,4-diflu

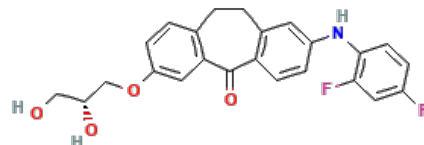
orophenyl)amino)-7-(2,3-

dihydroxypropoxy)-10,11-dihydro-5*H*-dibenzo[*a,d*][7]annulen-5-one;

2-[(2,4-Difluorophenyl)amino]-7-[(2*R*

)-2,3-Dihydroxypropyl]oxy]-10,11-Dihydro-5*H*-Dibenzo[*a,D*][7]annulen-5-One;

p38-MAPK inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Skepinone-L, soluble in DMSO and ethanol and insoluble in water, targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates. It targets p38 α .
Molecular Weight	425.42
Molecular Formula	C ₂₄ H ₂₁ F ₂ NO ₄
Targets	p38 α : 5 nM
IUPAC Name	13-(2,4-Difluoroanilino)-5-[(2 <i>R</i>)-2,3-dihydroxypropoxy]tricyclo[9.4.0.0 ^{3,8}]pentadeca-1(11),3(8),4,6,12,14-hexaen-2-one
InChI	InChI=1S/C24H21F2NO4/c25-16-4-8-23(22(26)10-16)27-17-5-7-20-15(9-17)2-1-14-3-6-19(11-21(14)24(20)30)31-13-18(29)12-28/h3-11,18,27-29H,1-2,12-13H2/t18-m/s1
InChI Key	HXMGCTFLLWPVFM-GOSISDBHSA-N
Canonical SMILES	C1CC2=C(C=CC(=C2)NC3=C(C=C(C=C3)F)F)C(=O)C4=C1C=CC(=C4)OCC(CO)O
Isomeric SMILES	C1CC2=C(C=CC(=C2)NC3=C(C=C(C=C3)F)F)C(=O)C4=C1C=CC(=C4)OC[C@H](CO)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 81 mg/mL (190.4 mM); Water: Insoluble; Ethanol: 81 mg/mL (190.4 mM)



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Skepinone-L can be employed to explore selective inhibition of p38 α MAP kinase and its role in cellular processes.
Storage	Store at -20°C.
