



Product Information

JNK-c-Jun inhibitor DTP3, Purity ≥98%

Cat. No.: X23-10-ZQ948

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1809784-29-9

Compound CID: 86295191

Synonym: DTP3; 1809784-29-9; DTP-3; *N*-Acetyl-D-tyrosyl-D-arginyl-D-

phenylalaninamide; 7UXW0T8LS8;

(*R*)-2-((*R*

)-2-Acetamido-3-(4-hydroxyphenyl)p

ropanamido)-*N*-((*R*)-1-amino-1-oxo-3-phenylpropan-2-yl)-5-guanidinopentanamide;

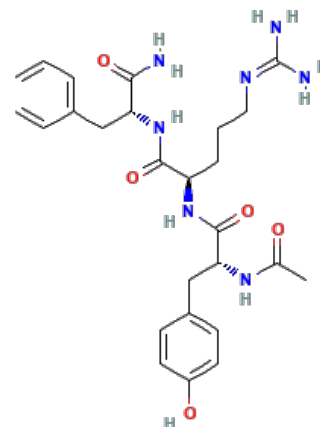
(2*R*)-2-[[2*R*

)-2-Acetamido-3-(4-hydroxyphen

yl)propanoyl]amino]-*N*-[(2*R*)-1-amino-1-oxo

-3-phenylpropan-2-yl]-5-(diaminomethylideneamino)pentanamide; JNK-c-Jun inhibitor

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



Product Information

Description	DTP3, soluble in DMSO, water and ethanol, is an inhibitor of c-jun N-terminal kinase (JNK) signaling.
Molecular Weight	525.6
Molecular Formula	C ₂₆ H ₃₅ N ₇ O ₅
IUPAC Name	(2 <i>R</i>)-2-[[2 <i>R</i>)-2-Acetamido-3-(4-hydroxyphenyl)propanoyl]amino]- <i>N</i> -[(2 <i>R</i>)-1-amino-1-oxo-3-phenylpropan-2-yl]-5-(diaminomethylideneamino)pentanamide
InChI	InChI=1S/C26H35N7O5/c1-16(34)31-22(15-18-9-11-19(35)12-10-18)25(38)32-20(8-5-13-30-26(28)29)24(37)33-21(23(27)36)14-17-6-3-2-4-7-17/h2-4,6-7,9-12,20-22,35H,5,8,13-15H2,1H3,(H2,27,36)(H,31,34)(H,32,38)(H,33,37)(H4,28,29,30)/t20-,21-,22-/m1/s1
InChI Key	AOUZPXZGMZUQQS-YPAWHYETSA-N
Canonical SMILES	CC(=O)NC(CC1=CC=C(C=C1)O)C(=O)NC(CCCN=C(N)N)C(=O)NC(CC2=CC=CC=C2)C(=O)N
Isomeric SMILES	CC(=O)N[C@H](CC1=CC=C(C=C1)O)C(=O)N[C@H](CCCN=C(N)N)C(=O)N[C@H](CC2=CC=CC=C2)C(=O)N



Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 89 mg/mL (169.32 mM); Water: 89 mg/mL (169.32 mM); Ethanol: 89 mg/mL (169.32 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	DTP3 can be used to investigate its apoptotic effects in cancer cells by inhibiting NF-κB pathway.
Storage	Store at -20°C.
