



Product Information

JNK-c-Jun inhibitor JNK-IN-8, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ927

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

CAS Number: 1410880-22-6

Compound CID: 57340686

Synonym: JNK-IN-8; 1410880-22-6; JNK Inhibitor XVI; JNK-IN-8 (GMP);

3-[[*(E)*-4-(dimethylamino)but-2-enoyl]amino]-*N*

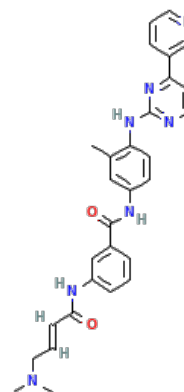
-(3-methyl-4-[(4-pyridin-3-yl)pyrimidin-2-yl]amino]phenyl]benzamide;

(*E*)-3-(4-(dimethylamino)but-2-enamido)-*N*

-(3-methyl-4-[(4-(pyridin-3-yl)pyrimidin-2-yl)amino]phenyl)benzamide; 1644498-56-5;

JNK-c-Jun inhibitor

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



Product Information

Description	JNK-IN-8, soluble in warmed DMSO and insoluble in water and ethanol, is an inhibitor of c-jun N-terminal kinase (JNK) signaling.
Molecular Weight	507.59
Molecular Formula	C ₂₉ H ₂₉ N ₇ O ₂
IUPAC Name	3-[[<i>(E)</i> -4-(Dimethylamino)but-2-enoyl]amino]- <i>N</i> -(3-methyl-4-[(4-pyridin-3-yl)pyrimidin-2-yl]amino]phenyl]benzamide
InChI	InChI=1S/C29H29N7O2/c1-20-17-24(11-12-25(20)34-29-31-15-13-26(35-29)22-8-5-14-30-19-22)33-28(38)21-7-4-9-23(18-21)32-27(37)10-6-16-36(2)3/h4-15,17-19H,16H2,1-3H3,(H,32,37)(H,33,38)(H,31,34,35)/b10-6+
InChI Key	GJFCSAPFHAXMSF-UXBLZVDNSA-N
Canonical SMILES	CC1=C(C=CC(=C1)NC(=O)C2=CC(=CC=C2)NC(=O)C=CCN(C)C)NC3=NC=CC(=N3)C4=CN=CC=C4
Isomeric SMILES	CC1=C(C=CC(=C1)NC(=O)C2=CC(=CC=C2)NC(=O)/C=C/CN(C)C)NC3=NC=CC(=N3)C4=CN=CC=C4
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 91 mg/mL (179.27 mM); Water: Insoluble; Ethanol: Insoluble



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	JNK-IN-8 is applied as a tool for the selective inhibition of JNK and its role in inflammatory and apoptotic pathways.
Storage	Store at -20°C.
