



Product Information

JNK-c-Jun inhibitor IQ-1S, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ949

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

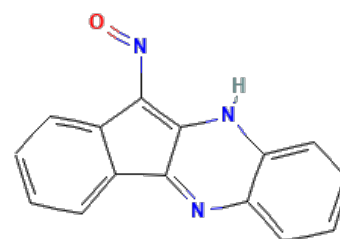
MDL: MFCD00612483

CAS Number: 23146-22-7

Compound CID: 619002

Synonym: IQ-1S; 23146-22-7; IQ-1S free acid; 11*H*-indeno[1,2-*b*]quinoxalin-11-one oxime; IQ-1S (free acid); 11-nitroso-10*H*-indeno[1,2-*b*]quinoxaline; JNK-c-Jun inhibitor

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



Product Information

Description	IQ-1S, soluble in DMSO and ethanol and insoluble in water, is an inhibitor of c-jun N-terminal kinase (JNK) signaling. It targets CK1 δ , JNK1, JNK2 and JNK3.
Molecular Weight	247.25
Molecular Formula	C ₁₅ H ₉ N ₃ O
Targets	CK1 δ : 0.38 μ M (Kd); JNK1: 240 nM (Kd); JNK2: 360 nM (Kd); JNK3: 100 nM (Kd)
IUPAC Name	11-Nitroso-10 <i>H</i> -indeno[1,2- <i>b</i>]quinoxaline
InChI	InChI=1S/C15H9N3O/c19-18-14-10-6-2-1-5-9(10)13-15(14)17-12-8-4-3-7-11(12)16-13/h1-8,17H
InChI Key	YSYIWCNPSZNNKW-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C2C(=C1)C(=C3C2=NC4=CC=CC=C4N3)N=O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 45 mg/mL (181.99 mM); Water: Insoluble; Ethanol: 1 mg/mL (4.04 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	IQ-1S can be applied to study domain-specific inhibition of GP130/IGF signaling in cancer research.
Storage	Store at -20°C.