



Product Information

JNK-c-Jun inhibitor TCS JNK 5a, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ940

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

MDL: MFCD01005305

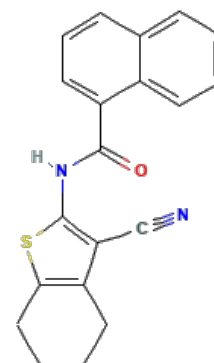
CAS Number: 312917-14-9

Compound CID: 766949

Synonym: 312917-14-9; TCS JNK 5a; JNK Inhibitor IX; *N*

-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thiophen-2-yl)-1-naphthamide; JNK-c-Jun inhibitor

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



Product Information

Description	TCS JNK 5a, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of c-jun N-terminal kinase (JNK) signaling. It targets JNK2 and JNK3.
Molecular Weight	332.42
Molecular Formula	C ₂₀ H ₁₆ N ₂ OS
Targets	JNK2: 6.5 (pIC ₅₀); JNK3: 6.7 (pIC ₅₀)
IUPAC Name	<i>N</i> -(3-Cyano-4,5,6,7-tetrahydro-1-benzothiophen-2-yl)naphthalene-1-carboxamide
InChI	InChI=1S/C20H16N2OS/c21-12-17-15-9-3-4-11-18(15)24-20(17)22-19(23)16-10-5-7-13-6-1-2-8-14(13)16/h1-2,5-8,10H,3-4,9,11H2,(H,22,23)
InChI Key	WQGDQGAFSDMBLA-UHFFFAOYSA-N
Canonical SMILES	C1CCC2=C(C1)C(=C(S2)NC(=O)C3=CC=CC4=CC=CC=C43)C#N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 19 mg/mL (57.15 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	TCS JNK 5a can be utilized to investigate the function of JNK proteins by inhibiting JNK-mediated signal transduction.
Storage	Store at -20°C.



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