

## Product Information

### JNK-c-Jun inhibitor BI-78D3, Purity $\geq 98\%$

**Cat. No.:** X23-10-ZQ928

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

**MDL:** MFCD01313575

**CAS Number:** 883065-90-5

**Compound CID:** 2747117

**Synonym:** BI-78D3; 883065-90-5; BI 78D3;

4-(2,3-Dihydroben

zo[b][1,4]dioxin-6-yl)-3-((5-nitrothiazol-2-yl)thio)-1*H*-1,2,4-triazol-5(4*H*)-one;

CHEMBL508280;

4-(2,3-Di

hydro-1,4-benzod

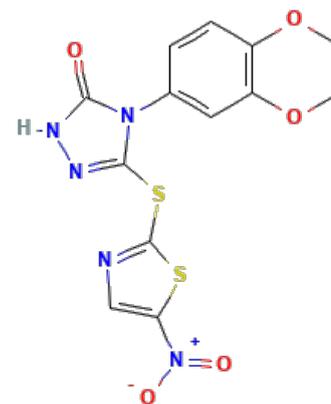
ioxin-6-yl)-2,4-dihydro-5-[(5-nitro-2-thiazolyl)thio]-3*H*-1,2,4-triazol-3-one;

4-(2,3-Dihydro

nzo[b][1,4]dioxin-6-yl)-3-((5-nitro-thiazol-2-yl)thio)-1*H*-1,2,4-triazol-5(4*H*)-one; JNK-c-

Jun inhibitor

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



### Product Information

<b>Description</b>	BI-78D3, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of c-jun N-terminal kinase (JNK) signaling. It targets JNK.
<b>Molecular Weight</b>	379
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>9</sub> N <sub>5</sub> O <sub>5</sub> S <sub>2</sub>
<b>Targets</b>	JNK: 280 nM
<b>IUPAC Name</b>	4-(2,3-Dihydro-1,4-benzodioxin-6-yl)-3-[(5-nitro-1,3-thiazol-2-yl)sulfanyl]-1 <i>H</i> -1,2,4-triazol-5-one
<b>InChI</b>	InChI=1S/C13H9N5O5S2/c19-11-15-16-12(25-13-14-6-10(24-13)18(20)21)17(11)7-1-2-8-9(5-7)23-4-3-22-8/h1-2,5-6H,3-4H2,(H,15,19)
<b>InChI Key</b>	QFRLDZGQEZCCJZ-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1COC2=C(O1)C=CC(=C2)N3C(=O)NN=C3SC4=NC=C(S4)[N+](=O)[O-]
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$



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<b>Solubility</b>	DMSO: 89 mg/mL (234.6 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	BI-78D3 is used in studies focusing on the inhibition of JNK and its implications in neuroinflammation and cancer.
<b>Storage</b>	Store at -20°C.

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