

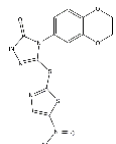
PRODUCT: BI-78D3

ALTERNATE NAMES: BI78D3; BI 78D3; 4-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-5-((5-nitrothiazol-2-yl)thio)-4H-1,2,4-triazol-3-ol; 4-(2,3-dihydro-1,4-benzodioxin-6-yl)-3-[(5-nitro-1,3-thiazol-2-yl)sulfanyl]-1H-1,2,4-triazol-5-one

CATALOG#: B1686-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₉N₅O₅S₂

MOLECULAR WEIGHT: 379.37

CAS NUMBER: 883065-90-5

APPEARANCE: Solid powder

SOLUBILITY: DMSO

PURITY: >98%

STORAGE: Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term. Protect from air and light.

DESCRIPTION: BI 78D3 is a competitive c-Jun N-terminal kinase (JNK) inhibitor with IC₅₀ of 280 nM that displays > 100 fold selectivity over p38α and no activity at mTOR and PI-3K.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Stebbins JL et al. Identification of a new JNK inhibitor targeting the JNK-JIP interaction site. Proc Natl Acad Sci U S A, 2008 Oct 28, 105(43):16809-13.
2. Strittmatter F et al. Inhibition of adrenergic human prostate smooth muscle contraction by the inhibitors of c-Jun N-terminal kinase, SP600125 and BI-78D3. Br J Pharmacol, 2012 Jul, 6(6):1926-35

RELATED PRODUCTS:

- Active JNK1 (Cat. No. 7757-5, 100)
- JNK Activated lysate (Cat. No. 7032-1)
- JNK Negative Control Lysate (Cat. No. 7031-1)
- JNK Antibody (Cat. No. 3701-100)
- Phospho-JNK/SAPK Antibody (Cat. No. 3589-100)
- L-JNK Peptide Inhibitor I (Cat. No. 7011-50)
- L-JNK1 Negative Control Peptide (Cat. No. 7021-50)
- KinaseSTAR® JNK Activity Assay Kit (Cat. No. K431-40)
- KinaseSTAR® JNK Activity Screening Kit (Cat. No. K430-40)
- SP600125 (Cat. No. 1669-5)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**