

**Catalog # 10-1528**

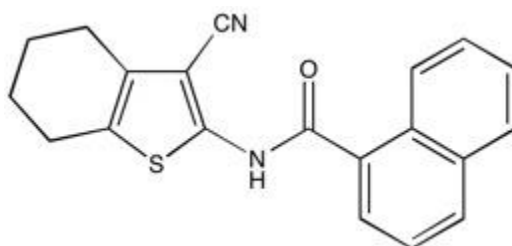
**JNK Inhibitor IX**

CAS# 312917-14-9

TCS JNK 5a

N-(3-Cyano-4,5,6,7-tetrahydrobenzo[b]thien-2-yl)-1-naphthalenecarboxamide

Lot # X105025



Inhibits JNK2 and JNK3 via binding to the ATP binding domain. Displays little or no activity against JNK1, p38 $\alpha$  and a panel of 30 other kinases.<sup>1</sup> Induces prometaphase arrest-dependent apoptotic cell death in human Jurkat T cells.<sup>2</sup>

- 1) Angell *et al.* (2007), *N-(3-Cyano-4,5,6,7-tetrahydro-1-benzothien-2-yl)amides as potent, selective, inhibitors of JNK2 and JNK3*; *Med. Chem. Lett.*, **17** 1296
- 2) Jang *et al.* (2014), *Inhibition of JNK2 and JNK3 by JNK inhibitor IX induces prometaphase arrest-dependent apoptotic cell death in human Jurkat T cells*; *Biochem. Biophys. Res. Commun.*, **452** 845

**PHYSICAL DATA**

Molecular Weight:	332.42
Molecular Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> OS
Purity:	98% by TLC NMR: (Conforms)
Solubility:	DMSO (up to 13 mg/ml with warming) or Ethanol (up to 4 mg/ml with warming)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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