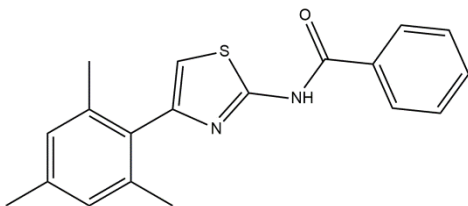


INH6

ALTERNATE NAMES: N-[4-(2,4,6-trimethylphenyl)-1,3-thiazol-2-yl]benzamide; N-(4-mesitylthiazol-2-yl)benzamide; Hec1/Nek2 Mitotic Pathway Inhibitor II

CATALOG #: B2907-1 1 mg
B2907-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₁₈N₂OS

MOLECULAR WEIGHT: 322.42

CAS NUMBER: 1001753-24-7

APPEARANCE: A crystalline solid

PURITY: ≥98%

SOLUBILITY: ~30 mg/ml in DMF
~20 mg/ml in DMSO
~1 mg/ml in Ethanol

DESCRIPTION: INH6 is a potent inhibitor of Hec1/Nek2 which regulate the mitotic spindle formation together. It causes chromosome mis-alignment, apoptosis and cell death. It inhibits proliferation of MDA-MB231, MDA-MB468, HeLa and K562 cells with IC₅₀ values of 1.7 and 2.1, 2.4, and 2.5 μM respectively.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

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

REFERENCE: Qiu, X.-L., Li, G., Wu, G., et al. Synthesis and biological evaluation of a series of novel inhibitor of Nek2/Hec1 analogues. J. Med. Chem. 52(6), 1757-1767 (2009).

RELATED PRODUCTS:

Tripolin A (Cat. No. 2307)
Nocodazole (Cat. No. 2185)
Monastrol (Cat. No. B2269)
Vinblastine Sulfate (Cat. No. 1959)
Paclitaxel (Cat. No. 1567)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*