INH6

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

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

STRUCTURE:

MOLECULAR FORMULA: C₁₉H₁₈N₂O₅S

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: -20ºC. 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.


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.