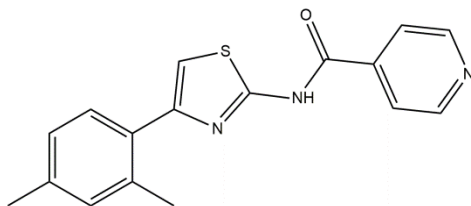


Nek2/Hec1 inhibitor

ALTERNATE NAMES: N-[4-(2,4-Dimethylphenyl)-2-thiazolyl]-4-pyridinecarboxamide; N-[4-(2,4-Dimethylphenyl)thiazol-2-yl]isonicotinamide

CATALOG #: B2924-5 5 mg
B2924-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₅N₃OS

MOLECULAR WEIGHT: 309.39

CAS NUMBER: 560103-80-2

APPEARANCE: Solid

PURITY: 97%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: Nek2/Hec1 inhibitor targets the Hec1/Nek2 pathway and causes chromosome mis-alignment as well as cell death. The IC₅₀ for cytotoxicity in MDA-MB231, MDA-MB468, HeLa and K562 cell lines is 1.1 μM, 3.4 μM, 1.6 μM and 1.2 μM respectively.

STORAGE TEMPERATURE: -20°C

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):1757-67 (2009).

RELATED PRODUCTS:

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

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