

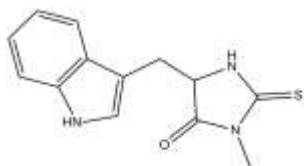
Necrostatin-1

ALTERNATE NAME: 5-(1*H*-Indol-3-ylmethyl)-3-methyl-2-thioxo-4-imidazolidinone; Methylthiohydantoin-DL-tryptophan; Nec-1

CATALOG #: 1864-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₃H₁₃N₃OS

MOLECULAR WEIGHT: 259.33

CAS NUMBER: 4311-88-0

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (~25 mg/ml) or EtOH (~ 6 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: Inhibits necroptosis, a non-apoptotic cell death pathway. Does not inhibit FAS-induced apoptosis and has no effect on apoptotic morphology. Inhibits RIP1 kinase, the key upstream kinase involved in the activation of necroptosis (EC₅₀ = 180 nM).

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

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

RELATED PRODUCTS:

- Necrostatin-5 (Cat. No. 1865-5, 25)
- Q-VD-OPh (Cat. No. 1170-1, 5)
- Q-VE-OPh (Cat. No. 1171-1, 5)
- Z-VAD(OMe)-FMK (Cat. No. 1140-1, 5)
- Z-VAD(OMe)-FMK (Cat. No. 1010-100, 1010-20C)