

Catalog	Unit
TBI1162 - 10MG	10 mg
TBI1162 - 50MG	50 mg

Product Details

Formal Name: 5-(1H-Indol-3-ylmethyl)-3-methyl-2-thioxo-4-Imidazolidinone

Molecular Formula: C₁₃H₁₃N₃OS

Formula Weight: 259.33

CAS Number: 4311-88-0

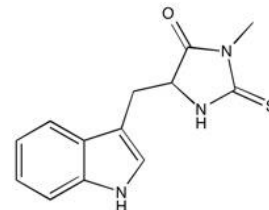
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

RIPK1 inhibitor; Necroptosis inhibitor

Functions

Necrostatin-1 (4311-88-0) is an inhibitor of necroptosis (non-apoptotic cell death pathway; EC₅₀ = 494 nM). It is an ATP-competitive death domain receptor-associated adaptor kinase (RIP1) inhibitor (EC₅₀ = 182 nM). Necrostatin-1 displays a protective effect in a mouse model of ischemic brain injury, inhibits myocardial cell death and reduces infarct size in various mouse heart models and inhibits glutamate-induced oxytosis in HT-22 cells.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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