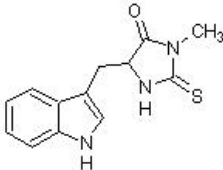


# Necrostatin-1, necroptosis inhibitor ab141053

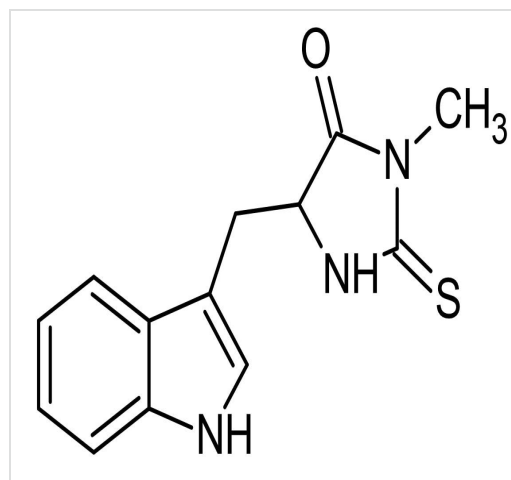
[15 References](#) [2 图像](#)

## 概述

产品名称	Necrostatin-1, necroptosis抑制剂
描述	Potent, specific necroptosis抑制剂
生物学描述	Potent, specific necroptosis inhibitor ( $EC_{50}$ = 490 nM). Selective allosteric inhibitor of death domain receptor-associated adaptor kinase RIP1 <i>in vitro</i> ( $EC_{50}$ = 182 nM). Caspase independent, programmed necrosis pathway.
纯度	> 99%
CAS编号	4311-88-0
化学结构	

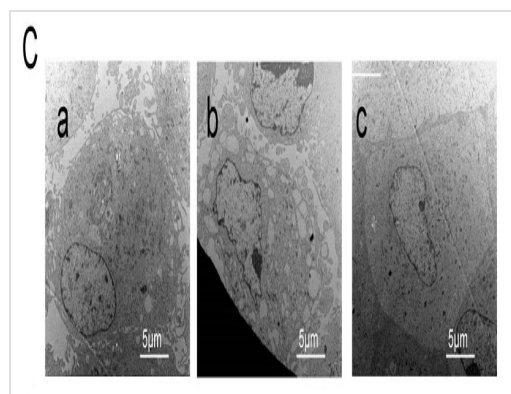
## 性能

化学名称	5-(1 <i>H</i> -Indol-3-ylmethyl)-3-methyl-2-thioxo-4-imidazolidinone
分子量	259.33
分子式	C <sub>13</sub> H <sub>13</sub> N <sub>3</sub> OS
PubChem识别号	2828334
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in ethanol to 50 mM and in DMSO to 100 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
SMILES	S=C3NC(Cc1cnc2ccccc12)C(=O)N3C



Chemical Structure - Necrostatin-1, necroptosis inhibitor (ab141053)

2D chemical structure image of ab141053, Necrostatin-1, necroptosis inhibitor



Functional Studies - Necrostatin-1, necroptosis inhibitor (ab141053)

Yan et al PLoS One. 2018 Nov 21;13(11):e0207760. doi: 10.1371/journal.pone.0207760. eCollection 2018. Fig 2. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>

#### Necroptosis exists in PDLSCs.

TEM, a representative normal cell (the cell had a long fusiform, cell membrane structure was complete, the nucleus was round, nucleolus was obvious and center), b representative necroptosis cell (cell membrane ruptured, organelle disappeared, chromatin consolidated and agglutinated, presenting necrotic ultrastructural characteristics), c representative necrosis cell after Nec-1 inhibited (the cell membrane was intact, and the chromatin structure returned to normal).

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