

Necrostatin 2

Catalog No: tcsc1511



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

852391-19-6

Formula:

$C_{13}H_{12}ClN_3O_2$

Pathway:

Apoptosis

Target:

TNF Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (360.09 mM)

Observed Molecular Weight:

277.71

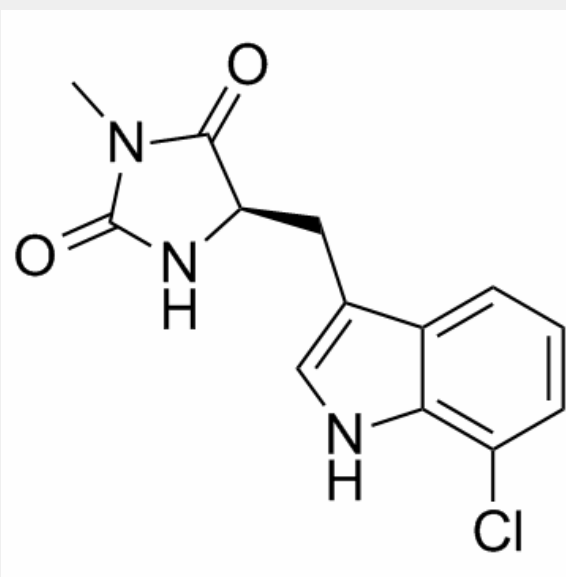
Product Description

Necrostatin 2 is a potent **necroptosis** inhibitor. **EC₅₀** for inhibition of necroptosis in FADD-deficient Jurkat T cells treated with **TNF- α**

is 0.05 μ M.

IC₅₀ & Target: Necroptosis^[1]

In Vitro: Evaluation of necroptosis inhibitory activity is performed using a FADD-deficient variant of human Jurkat T cells treated with TNF- α . Utilizing these conditions the cells efficiently undergo necroptosis, which is completely and selectively inhibited by Necrostatin 2 (EC₅₀=50 nM). Necrostatin 2 shows activity in a broad range of necroptosis cellular systems^[1]. Necrostatin 2 at 30 μ M completely protects L929 cells from TNF- α -induced necroptosis. In addition to TNF- α , the pan-caspase inhibitor benzyloxycarbonyl-Val-Ala-Asp(OMe)-fluoromethylketone (zVAD.fmk) has also been found to induce necrosis in L929 cells, which is efficiently inhibited by Necrostatin 2^[2]. EC₅₀ for inhibition of necroptosis in FADD-deficient Jurkat T cells treated with TNF- α is 0.05 μ M^[3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!