Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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. **EC_{50}** for inhibition of necroptosis in FADD-deficient Jurkat T cells treated with **TNF-α**

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

is 0.05 μM.

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 (EC_{50}=50 nM). Necrostatin 2 shows activity in a broad range of necroptosis cellular systems[1]. Necrostatin 2 at 30 μM 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]. EC_{50} for inhibition of necroptosis in FADD-deficient Jurkat T cells treated with TNF-α is 0.05 μM[3].