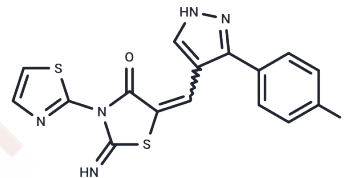


## Necrostatin-7

## Chemical Properties

CAS No. :	351062-08-3
Formula:	C <sub>16</sub> H <sub>10</sub> FN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	371.41
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Necrostatin-7 (Necrostatin 7) is an inhibitor of necrotic apoptosis with cardioprotective effects, inhibits RANK-NFATc1 signaling, and attenuates macrophage differentiation into osteoblasts.
Targets(IC50)	Apoptosis, Necroptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6924 mL	13.4622 mL	26.9244 mL
5 mM	0.5385 mL	2.6924 mL	5.3849 mL
10 mM	0.2692 mL	1.3462 mL	2.6924 mL
50 mM	0.0538 mL	0.2692 mL	0.5385 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Weihong Zheng, et al. Structure-activity relationship study of a novel necroptosis inhibitor, necrostatin-7. *Bioorg Med Chem Lett*. 2008 Sep 15;18(18):4932-5.

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Dmitriev YV, Karpov AA, Dracheva AV, Minasian SM, Chefu SG, Vasina LV, Demchenko EA, Galagudza IM. [CARDIOPROTECTIVE EFFECTS OF NECROSTATIN-7 IN THE RAT MODEL OF PERMANENT CORONARY OCCLUSION]. *Russ Fiziol Zh Im I M Sechenova*. 2015 Apr;101(4):408-14. Russian. PubMed PMID: 26336739.

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