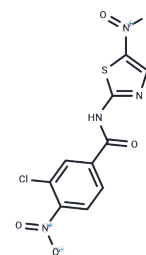


SM-7368

Chemical Properties

CAS No. : 380623-76-7
 Formula: C₁₀H₅ClN₄O₅
 Molecular Weight: 328.69
 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	The NF-κB Activation Inhibitor III, controls the biological activity of NF-κB. It is primarily used for Inflammation/Immunology applications.
Targets(IC50)	MMP,NF-κB,p38 MAPK

Solubility Information

Solubility	DMSO: 50 mg/mL (152.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.08 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0424 mL	15.2119 mL	30.4238 mL
5 mM	0.6085 mL	3.0424 mL	6.0848 mL
10 mM	0.3042 mL	1.5212 mL	3.0424 mL
50 mM	0.0608 mL	0.3042 mL	0.6085 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

QH. Y. Lee, et al. A small compound that inhibits tumor necrosis factor- α -induced matrix metalloproteinase-9 upregulation. Biochemical and Biophysical Research Communications 336(2), 716-722 (2005).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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