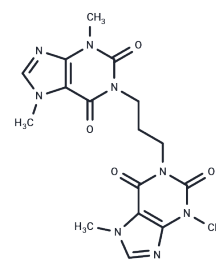


## Bisdionin C

## Chemical Properties

CAS No. :	74857-22-0
Formula:	C <sub>17</sub> H <sub>20</sub> N <sub>8</sub> O <sub>4</sub>
Molecular Weight:	400.39
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	Bisdionin C is a potent inhibitor of GH18 chitinase with an IC <sub>50</sub> of 0.2 μM for <i>A. fumigatus</i> ChiB1. Bisdionin C inhibits human macrophage chitotriosidase (HCHT, IC <sub>50</sub> = 8.3 μM) and acidic mammalian chitinase (AMCase, IC <sub>50</sub> = 3.4 μM).
Targets(IC <sub>50</sub> )	Antibacterial

## Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4976 mL	12.4878 mL	24.9756 mL
5 mM	0.4995 mL	2.4976 mL	4.9951 mL
10 mM	0.2498 mL	1.2488 mL	2.4976 mL
50 mM	0.050 mL	0.2498 mL	0.4995 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

Schüttelkopf AW, et al. Bisdionin C-a rationally designed, submicromolar inhibitor of family 18 chitinases. ACS Med Chem Lett. 2011;2(6):428-432. Published 2011 Mar 23.

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