
Product Data Sheet

Product Name: Bisdionin C

Cat. No.: GC68773

Chemical Properties

Cas. No. 74857-22-0

Formula $C_{17}H_{20}N_8O_4$

M.Wt 400.39

Solubility DMSO : 2 mg/mL (5.00 mM); ultrasonic and warming and adjust pH to 3 with 1M HCl and heat to 60°C

Store
Storage at -
20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Bisdionin C is a potent **GH18 chitinases** inhibitor, with an **IC₅₀** of 0.2 μM for *A. fumigatus* ChiB1 (*AfChiB1*). Bisdionin C inhibits HCHT (human macrophage chitotriosidase) and acidic mammalian chitinase (AMCase) with IC₅₀s of 8.3 and 3.4 μM, respectively^[1].

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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