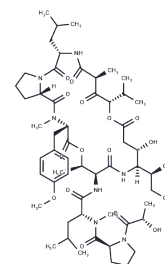


Didemnins B

Chemical Properties

CAS No. :	77327-05-0
Formula:	C57H89N7O15
Molecular Weight:	1112.35
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Didemnins B (Didemnins-B) is a depsipeptide extracted from the marine tunicate Trididemnin cyanophorum that has antiviral and antitumor activity.
Targets(IC50)	Antiviral
In vitro	Didemnins B is a potent inhibitor of L1210 growth in vitro[4].
In vivo	Didemnins B has activity against murine B16 melanoma, P388 leukemia, and M5076 sarcoma in vivo[4].

Solubility Information

Solubility	DMSO: 90 mg/mL (80.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.899 mL	4.495 mL	8.990 mL
5 mM	0.1798 mL	0.899 mL	1.798 mL
10 mM	0.0899 mL	0.4495 mL	0.899 mL
50 mM	0.018 mL	0.0899 mL	0.1798 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

- Potts MB, et al. Mode of action and pharmacogenomic biomarkers for exceptional responders to didemnin B. *Nat Chem Biol.* 2015 Jun;11(6):401-8.
- Hetherington AM, et al. Treatment with didemnin B, an elongation factor 1A inhibitor, improves hepatic lipotoxicity in obese mice. *Physiol Rep.* 2016 Sep;4(17).
- Henne WA, et al. Synthesis and activity of folate conjugated didemnin B for potential treatment of inflammatory diseases. *Bioorg Med Chem Lett.* 2012 Jan 1;22(1):709-12.
- Stewart JA, et al. A phase I clinical trial of didemnin B. *Cancer.* 1991;68(12):2550-2554.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481