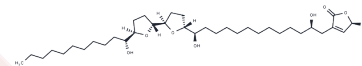


Asimicin

Chemical Properties

CAS No. :	102989-24-2
Formula:	C37H66O7
Molecular Weight:	622.92
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	Asimicin is a effective complex I inhibitor.
Targets(IC50)	Others,Mitochondrial Metabolism,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6053 mL	8.0267 mL	16.0534 mL
5 mM	0.3211 mL	1.6053 mL	3.2107 mL
10 mM	0.1605 mL	0.8027 mL	1.6053 mL
50 mM	0.0321 mL	0.1605 mL	0.3211 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

- Mangal M, Khan MI, Agarwal SM. Acetogenins as Potential Anticancer Agents. *Anticancer Agents Med Chem.* 2015; 16(2):138-59. Review. PubMed PMID: 26118710.
- Nakamaru-Ogiso E, Han H, Matsuno-Yagi A, Keinan E, Sinha SC, Yagi T, Ohnishi T. The ND2 subunit is labeled by a photoaffinity analogue of asimicin, a potent complex I inhibitor. *FEBS Lett.* 2010 Mar 5;584(5):883-8. doi: 10.1016/j.febslet.2010.01.004. Epub 2010 Jan 13. PubMed PMID: 20074573; PubMed Central PMCID: PMC2836797.
- Zhao GX, Miesbauer LR, Smith DL, McLaughlin JL. Asimin, asiminacin, and asiminecin: novel highly cytotoxic asimicin isomers from *Asimina triloba*. *J Med Chem.* 1994 Jun 24;37(13):1971-6. PubMed PMID: 8027979.
- Avedissian H, Sinha SC, Yazbak A, Sinha A, Neogi P, Sinha SC, Keinan E. Total synthesis of asimicin and bullatacin. *J Org Chem.* 2000 Sep 22;65(19):6035-51. PubMed PMID: 10987938.

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