

Cucumarioside H

Chemical Properties

CAS No. :	116524-58-4
Formula:	C60H92O29S
Molecular Weight:	1309.43
Storage:	Keep away from moisture 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	Cucumarioside H is a triterpene glycoside
Targets(IC50)	Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7637 mL	3.8185 mL	7.6369 mL
5 mM	0.1527 mL	0.7637 mL	1.5274 mL
10 mM	0.0764 mL	0.3818 mL	0.7637 mL
50 mM	0.0153 mL	0.0764 mL	0.1527 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

Pislyagin EA, Dmitrenok PS, Gorpenchenko TY, Avilov SA, Silchenko AS, Aminin DL. Determination of cucumarioside A₂-2 in mouse spleen by radiospectroscopy, MALDI-MS and MALDI-IMS. *Eur J Pharm Sci.* 2013 Jul 16;49(4):461-7. doi: 10.1016/j.ejps.2013.05.017. Epub 2013 May 30. PubMed PMID: 23727465.

Silchenko AS, Kalinovsky AI, Avilov SA, Andryjaschenko PV, Dmitrenok PS, Menchinskaya ES, Aminin DL, Kalinin VI. Structure of cucumarioside I2 from the sea cucumber *Eupentacta fraudatrix* (Djakonov et Baranova) and cytotoxic and immunostimulatory activities of this saponin and relative compounds. *Nat Prod Res.* 2013;27(19):1776-83. doi: 10.1080/14786419.2013.778851. Epub 2013 Apr 11. PubMed PMID: 23574459.

Pislyagin EA, Gladkikh RV, Kapustina II, Kim NY, Shevchenko VP, Nagaev IY, Avilov SA, Aminin DL. Interaction of holothurian triterpene glycoside with biomembranes of mouse immune cells. *Int Immunopharmacol.* 2012 Sep;14(1):1-8. doi: 10.1016/j.intimp.2012.05.020. Epub 2012 Jun 6. PubMed PMID: 22683181.

Agafonova IG, Aminin DL, Avilov SA, Stonik VA. Influence of cucumariosides upon intracellular [Ca²⁺]_i and lysosomal activity of macrophages. *J Agric Food Chem.* 2003 Nov 19;51(24):6982-6. PubMed PMID: 14611158.

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