

## Holothurin A

## Chemical Properties

CAS No. :	38-26-6
Formula:	C <sub>54</sub> H <sub>86</sub> NaO <sub>27</sub> S
Molecular Weight:	1222.3
Storage:	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	Holothurin A is a triterpene glycoside.
Targets(IC50)	Bcl-2 Family,Others,HDAC,Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8181 mL	4.0906 mL	8.1813 mL
5 mM	0.1636 mL	0.8181 mL	1.6363 mL
10 mM	0.0818 mL	0.4091 mL	0.8181 mL
50 mM	0.0164 mL	0.0818 mL	0.1636 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

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Likhatskaia GN, Iarovaia TP, Rudnev VS, Popov AM, Anisomov MM. [Formation of the complex of the triterpene glycoside holothurin A with cholesterol in liposomal membranes]. *Biofizika.* 1985 Mar-Apr;30(2):358-9. Russian. PubMed PMID: 3986241.

Zhao Q, Xue Y, Liu ZD, Li H, Wang JF, Li ZJ, Wang YM, Dong P, Xue CH. Differential effects of sulfated triterpene glycosides, holothurin A1, and 24-dehydroechinoside A, on antimetastatic activity via regulation of the MMP-9 signal pathway. *J Food Sci.* 2010 Nov-Dec;75(9):H280-8. doi: 10.1111/j.1750-3841.2010.01837.x. Epub 2010 Oct 15. PubMed PMID: 21535601.

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