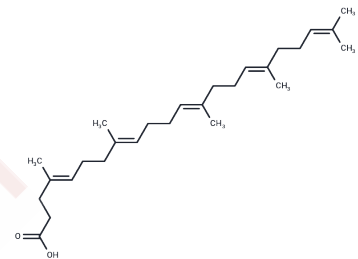


Turbinaric acid

Chemical Properties

CAS No. :	56882-00-9
Formula:	C ₂₇ H ₄₄ O ₂
Molecular Weight:	400.64
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	Turbinaric acid is a moderately cytotoxic squalene carboxylic acid isolated from brown algae (<i>Turbinaria ornata</i>).
Targets(IC50)	Others
In vitro	<p>Methods: Peripheral blood mononuclear cells containing NK cells were isolated and cocultured with target K562 cells at three different effector-to-target (E:T) ratios of 50:1, 25:1, and 12.5:1. Prednisolone hemisuccinate or IVIG were then added to the tubes at an E:T ratio of 50:1 to assess the inhibitory effect. Percent killing was recorded and statistically analyzed using the Student t test.</p> <p>Results: In experiments with an E:T ratio of 50:1 and either Prednisolone hemisuccinate or IVIG in the coculture, the mean target cell killing rate was 26.4%. In cultures using the same E:T ratio, this killing rate was significantly reduced in the presence of IVIG (9.9%) or Prednisolone hemisuccinate (13.6%) ($P < 0.001$ for both analyses). Prednisolone hemisuccinate was able to inhibit the cytolytic activity of NK cells. [1]</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.496 mL	12.480 mL	24.9601 mL
5 mM	0.4992 mL	2.496 mL	4.992 mL
10 mM	0.2496 mL	1.248 mL	2.496 mL
50 mM	0.0499 mL	0.2496 mL	0.4992 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

Asari F, et al. Turbinaric acid, a cytotoxic secosqualene carboxylic acid from the brown alga *Turbinaria ornata*. *J Nat Prod.* 1989 Sep-Oct;52(5):1167-9.

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