

Zaragozic acid B

Chemical Properties

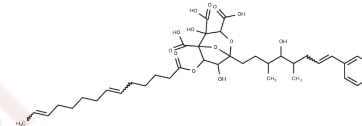
CAS No. : 146389-61-9

Formula: C₃₉H₅₄O₁₃

Molecular Weight: 730.848

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	Zaragozic acid B is a fungal metabolite.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3683 mL	6.8413 mL	13.6827 mL
5 mM	0.2737 mL	1.3683 mL	2.7365 mL
10 mM	0.1368 mL	0.6841 mL	1.3683 mL
50 mM	0.0274 mL	0.1368 mL	0.2737 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

Hornby JM, Nickerson KW. Enhanced production of farnesol by *Candida albicans* treated with four azoles. *Antimicrob Agents Chemother*. 2004 Jun;48(6):2305-7. PubMed PMID: 15155241; PubMed Central PMCID: PMC415631.

Hornby JM, Kebaara BW, Nickerson KW. Farnesol biosynthesis in *Candida albicans*: cellular response to sterol inhibition by zaragozic acid B. *Antimicrob Agents Chemother*. 2003 Jul;47(7):2366-9. PubMed PMID: 12821501; PubMed Central PMCID: PMC161837.

Alaei P, MacNulty EE, Ryder NS. Inhibition of protein prenylation down-regulates signalling by inflammatory mediators in human keratinocytes. *Biochem Biophys Res Commun*. 1996 May 6;222(1):133-8. PubMed PMID: 8630058.

Bergstrom JD, Dufresne C, Bills GF, Nallin-Omstead M, Byrne K. Discovery, biosynthesis, and mechanism of action of the zaragozic acids: potent inhibitors of squalene synthase. *Annu Rev Microbiol*. 1995;49:607-39. Review. PubMed PMID: 8561474.

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