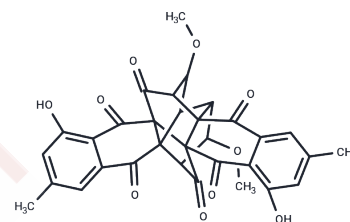


Rugulin

Chemical Properties

CAS No. :	67278-88-0
Formula:	C ₃₂ H ₂₄ O ₁₀
Molecular Weight:	568.53
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	Rugulin is a minor metabolite from <i>Penicillium rugulosum</i> and a naturally occurring bisanthraquinone.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7589 mL	8.7946 mL	17.5892 mL
5 mM	0.3518 mL	1.7589 mL	3.5178 mL
10 mM	0.1759 mL	0.8795 mL	1.7589 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

Nicolaou KC, Lim YH, Piper JL, Papageorgiou CD. Total syntheses of 2,2'-epi-cytoskyrin A, rugulosin, and the alleged structure of rugulin. *J Am Chem Soc.* 2007 Apr 4;129(13):4001-13. Epub 2007 Mar 14. PubMed PMID: 17355133.

Sedmera P, Podojil M, Vokoun J, Betina V, Nemeč P. 2,2'-dimethoxy-4a,4a'-dehydrorugulosin (rugulin), a minor metabolite from *Penicillium rugulosum*. *Folia Microbiol (Praha).* 1978;23(1):64-7. PubMed PMID: 564320.

Nicolaou KC, Papageorgiou CD, Piper JL, Chadha RK. The cytoskyrin cascade: a facile entry into cytoskyrin A, deoxyrubroskyrin, rugulin, skyrin, and flavoskyrin model systems. *Angew Chem Int Ed Engl.* 2005 Sep 12;44(36):5846-51. PubMed PMID: 16123947.

Krivobok S, Seigle-Murandi F, Steiman R, Marzin DR, Betina V. Mutagenicity of substituted anthraquinones in the Ames/Salmonella microsome system. *Mutat Res.* 1992 May 1;279(1):1-8. PubMed PMID: 1374527.

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