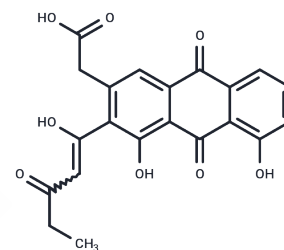


Aklanonic acid

Chemical Properties

CAS No. :	91432-47-2
Formula:	C ₂₁ H ₁₆ O ₈
Molecular Weight:	396.35
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	Aklanonic acid is an intermediate in the biosynthesis of anthracycline antibiotics from <i>Streptomyces</i> sp. ZIMET 43717.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.523 mL	12.6151 mL	25.2302 mL
5 mM	0.5046 mL	2.523 mL	5.046 mL
10 mM	0.2523 mL	1.2615 mL	2.523 mL
50 mM	0.0505 mL	0.2523 mL	0.5046 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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- Kallio P, Sultana A, Niemi J, Mäntsälä P, Schneider G. Crystal structure of the polyketide cyclase AknH with bound substrate and product analogue: implications for catalytic mechanism and product stereoselectivity. *J Mol Biol.* 2006 Mar 17;357(1):210-20. Epub 2006 Jan 6. PubMed PMID: 16414075.
- Lee TS, Khosla C, Tang Y. Engineered biosynthesis of aklanonic acid analogues. *J Am Chem Soc.* 2005 Sep 7;127(35):12254-62. PubMed PMID: 16131203; PubMed Central PMCID: PMC1343498.
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