Data Sheet (Cat.No.T31462)

TargetMol

Dihydroagathic acid

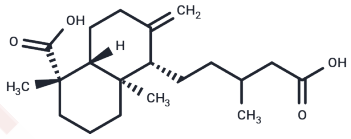
Chemical Properties

CAS No. : 5956-15-0

Formula: C20H32O4

Molecular Weight: 336.47

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	Dihydroagathic acid is a metabolite of isocupressic acid.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.972 mL	14.8602 mL	29.7203 mL
5 mM	0.5944 mL	2.972 mL	5.9441 mL
10 mM	0.2972 mL	1.486 mL	2.972 mL
50 mM	0.0594 mL	0.2972 mL	0.5944 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

Snider DB, Gardner DR, Janke BH, Ensley SM. Pine needle abortion biomarker detected in bovine fetal fluids. J Vet Diagn Invest. 2015 Jan;27(1):74-9. doi: 10.1177/1040638714554443. Epub 2014 Nov 26. PubMed PMID: 25428187.

Lin SJ, Short RE, Ford SP, Grings EE, Rosazza JP. In vitro biotransformations of isocupressic acid by cow rumen preparations: formation of agathic and dihydroagathic acids. J Nat Prod. 1998 Jan;61(1):51-6. PubMed PMID: 9461652.

Gardner DR, Panter KE, James LF. Pine needle abortion in cattle: metabolism of isocupressic acid. J Agric Food Chem. 1999 Jul;47(7):2891-7. PubMed PMID: 10552582.

Gardner DR, Panter KE, Stegelmeier BL. Implication of agathic acid from Utah juniper bark as an abortifacient compound in cattle. J Appl Toxicol. 2010 Mar;30(2):115-9. doi: 10.1002/jat.1476. PubMed PMID: 19757408.

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