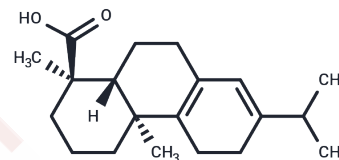


Palustric acid

Chemical Properties

CAS No. :	1945-53-5
Formula:	C ₂₀ H ₃₀ O ₂
Molecular Weight:	302.458
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	Palustric acid is a diterpenic resin acid found in [Pinus nigra].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3062 mL	16.5311 mL	33.0622 mL
5 mM	0.6612 mL	3.3062 mL	6.6124 mL
10 mM	0.3306 mL	1.6531 mL	3.3062 mL
50 mM	0.0661 mL	0.3306 mL	0.6612 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

Kostas Ioannidis, et al. High-Throughput 1 H-Nuclear Magnetic Resonance-Based Screening for the Identification and Quantification of Heartwood Diterpenic Acids in Four Black Pine (Pinus nigra Arn.) Marginal Provenances in Greece. *Molecules*. 2019 Oct 7;24(19):3603.

Katrin Geisler, et al. Modularity of Conifer Diterpene Resin Acid Biosynthesis: P450 Enzymes of Different CYP720B Clades Use Alternative Substrates and Converge on the Same Products. *Plant Physiol*. 2016 May;171(1):152-64.

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