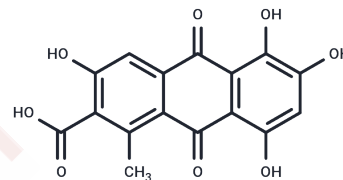


Kermesic acid

Chemical Properties

CAS No. :	18499-92-8
Formula:	C ₁₆ H ₁₀ O ₈
Molecular Weight:	330.25
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	Kermesic acid, a natural dye originating from the insect species <i>Kermes ilices</i> , is structurally a 3,5,6,8-tetrahydroxy-9,10-anthraquinone with methyl and carboxy groups substituted at positions 1 and 2 respectively. This compound functions both as an animal metabolite and a dye. Classified chemically, it falls under the categories of tetrahydroxyanthraquinone and monocarboxylic acid. Additionally, it exists in the form of a conjugate acid of a kermesate.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.028 mL	15.140 mL	30.2801 mL
5 mM	0.6056 mL	3.028 mL	6.056 mL
10 mM	0.3028 mL	1.514 mL	3.028 mL
50 mM	0.0606 mL	0.3028 mL	0.6056 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.

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