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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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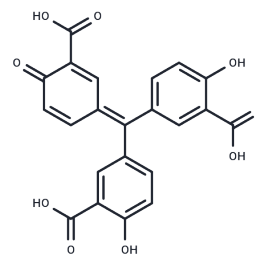
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Aurintricarboxylic acid

Chemical Properties

CAS No. :	4431-00-9
Formula:	C ₂₂ H ₁₄ O ₉
Molecular Weight:	422.34
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aurintricarboxylic acid (NSC-4056) is a strong inhibitor of topoisomerases and other nucleases. It is a potent inhibitor of ribonuclease and topoisomerase II by preventing the binding of the nucleic acid to the enzyme.
Targets(IC ₅₀)	Apoptosis,P2X Receptor,Influenza Virus,Topoisomerase
In vitro	Aurintricarboxylic acid (ATA) is a known Stp1 inhibitor with an IC ₅₀ of 1.03 μM[1].

Solubility Information

Solubility	DMSO: 125 mg/mL (295.97 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3678 mL	11.8388 mL	23.6776 mL
5 mM	0.4736 mL	2.3678 mL	4.7355 mL
10 mM	0.2368 mL	1.1839 mL	2.3678 mL
50 mM	0.0474 mL	0.2368 mL	0.4736 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.

Reference

Liu T T , Yang T , Gao M N , et al. The inhibitory mechanism of aurintricarboxylic acid targeting serine/threonine phosphatase Stp1 in Staphylococcus aureus: insights from molecular dynamics simulations[J]. Acta

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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