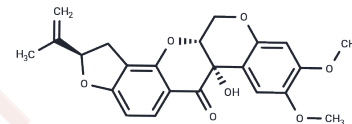


Rotenolone

Chemical Properties

CAS No. :	509-96-6
Formula:	C ₂₃ H ₂₂ O ₇
Molecular Weight:	410.42
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	Rotenolone (12alpha-HYDROXYROTENONE) is a metabolite of Rotenone which is a natural compound derived from plants of the genera Derris and Lonchocarpus.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4365 mL	12.1826 mL	24.3653 mL
5 mM	0.4873 mL	2.4365 mL	4.8731 mL
10 mM	0.2437 mL	1.2183 mL	2.4365 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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

- Melo KM, et al. Short-term exposure to low doses of rotenone induces developmental, biochemical, behavioral, and histological changes in fish. *Environ Sci Pollut Res Int.* 2015 Sep;22(18):13926-38.
- Finlayson BJ, Eilers JM, Huchko HA. Fate and behavior of rotenone in Diamond Lake, Oregon, USA following invasive tui chub eradication. *Environ Toxicol Chem.* 2014 Jul;33(7):1650-5.
- Nirma C, et al. Larvicidal activity of isoflavonoids from *Muelleria frutescens* extracts against *Aedes aegypti*. *Nat Prod Commun.* 2012 Oct;7(10):1319-22.
- Vasquez ME, et al. Rotenone formulation fate in Lake Davis following the 2007 treatment. *Environ Toxicol Chem.* 2012 May;31(5):1032-41.

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