

Regiolone

Chemical Properties

CAS No. :	137494-04-3
Formula:	C10H10O3
Molecular Weight:	178.18
Storage:	Keep away from direct sunlight,Keep away from moisture,Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Regiolone is a naphthoquinone natural product with phytotoxic properties. In in vitro studies, Regiolone exhibits antiproliferative activity in tumor cells and can induce apoptosis in MCF-7 breast cancer cells.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6123 mL	28.0615 mL	56.123 mL
5 mM	1.1225 mL	5.6123 mL	11.2246 mL
10 mM	0.5612 mL	2.8062 mL	5.6123 mL
50 mM	0.1122 mL	0.5612 mL	1.1225 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

Venkatasubbaiah P, et al. Toxins produced by the Dogwood anthracnose fungus discula sp.[]. Journal of Natural Products, 1991, 54(5):1293-1297.

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