Data Sheet (Cat.No.TN1172)

TargetMol

1-Hydroxy-2-methylanthraquinone

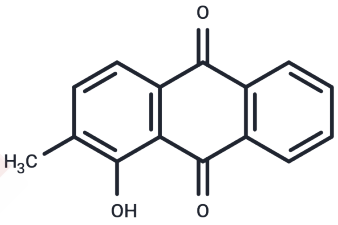
Chemical Properties

CAS No. : 6268-09-3

Formula: C15H10O3

Molecular Weight: 238.242

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	1-Hydroxy-2-methylanthraquinone exhibits promising larvicidal activity.
Targets(IC50)	Others,Antibacterial
In vitro	Two new furanonaphthoquinones, (3R)-7-methoxy-α±-dunnione (5) and (3R)-6-hydroxy-7-methoxy-α±-dunnione (6), along with the known (3R)-dunnione (1), (3R)-α±-dunnione (2), (3R)-7-hydroxy-α±-dunnione (3), and 1-Hydroxy-2-methylanthraquinone (4), were isolated from in vitro cultures of Streptocarpus dunnii. The structures of compounds 5 and 6 were established by spectroscopic means. This is the first report of hydroxylated furanonaphthoquinones in a Streptocarpus species[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

Isolation, structure elucidation, and cytotoxic evaluation of furanonaphthoquinones from in vitro plantlets and cultures of Streptocarpus dunnii.J Nat Prod. 2011 Jan 28;74(1):82-5.

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