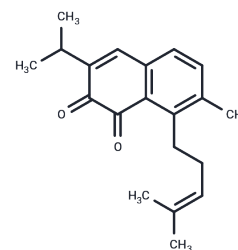


Saprorthoquinone

Chemical Properties

CAS No. :	102607-41-0
Formula:	C ₂₀ H ₂₄ O ₂
Molecular Weight:	296.4
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	Saprorthoquinone is a natural product from <i>Salvia prionitis</i> .
In vitro	Ten diterpenoids [6a-hydroxysalvinolone (1), 6a-hydroxytaxodone (2), aethiopinone (3), microstegiol (4), ferruginol (5), Saprorthoquinone (6), 11,12-dioxoabieta-8,13-diene (7), taxodione (8), hypargenin A (9), hypargenin D (10)] and three triterpenoids [lupeol 3-acetate, d-oleanol 3-acetate and -sitosterol] were isolated from the roots of <i>Salvia hypargeia</i> , a plant endemic to Turkey. METHODS AND RESULTS: The crude extract and compounds 1-2, 5-10 were tested against a panel of human cancer cell lines [human breast cancer (BC 1), human lung cancer (LU 2), human colon cancer (COL 2), human epidermoidal carcinoma in mouth (KB), vinblastine-resistant KB-VI, hormone-dependent human prostate cancer (LNCaP)] as well as P388 and ASK cells in culture. CONCLUSIONS: The crude extract was active in all of the test systems, except KB. Isolates 1 and 8 were also found to mediate a generalized cytotoxic response.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3738 mL	16.8691 mL	33.7382 mL
5 mM	0.6748 mL	3.3738 mL	6.7476 mL
10 mM	0.3374 mL	1.6869 mL	3.3738 mL
50 mM	0.0675 mL	0.3374 mL	0.6748 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

Cytotoxic Activity of Diterpenoids Isolated from *Salvia hypargeia* *Pharmaceutical Biology*, 1999 , 37 (2) :148-151.

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