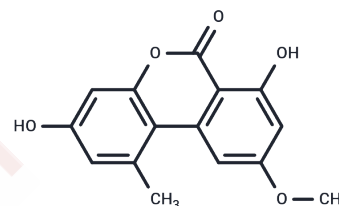


Djalonsone

Chemical Properties

CAS No. :	23452-05-3
Formula:	C ₁₅ H ₁₂ O ₅
Molecular Weight:	272.25
Storage:	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	Djalonsone (Alternariol monomethyl ether), an Alternaria toxin, is a strong mutagen in Escherichia coli strain ND-160. Alternariol monomethyl ether has genotoxic properties, it can cause oxidative DNA damage. It also possesses cytotoxic and immunosuppressive properties.
Targets(IC50)	Antibacterial, Antibiotic, Immunology/Inflammation related

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6731 mL	18.3655 mL	36.7309 mL
5 mM	0.7346 mL	3.6731 mL	7.3462 mL
10 mM	0.3673 mL	1.8365 mL	3.6731 mL
50 mM	0.0735 mL	0.3673 mL	0.7346 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, identification, and mutagenicity of alternariol monomethyl ether. Journal of Agricultural & Food Chemistry, 1989, 37(5):1341-1343.

Minor contribution of alternariol, alternariol monomethyl ether and tenuazonic acid to the genotoxic properties of extracts from Alternaria alternata infested rice. Toxicol Lett. 2012 Oct 2;214(1):46-52.

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