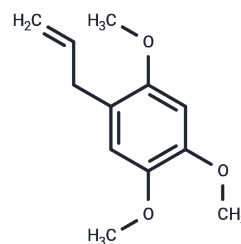


γ -Asarone

Chemical Properties

CAS No. :	5353-15-1
Formula:	C ₁₂ H ₁₆ O ₃
Molecular Weight:	208.25
Storage:	Keep away from direct sunlight, 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	γ -Asarone is a natural phenylpropene derivative exhibiting inhibitory activity against SK-MEL-2 and A549 cells.
Targets(IC50)	Others
In vitro	Even in the Salmonella strains expressing human sulfotransferase (SULT), neither γ -Asarone nor 1'-OH- γ -Asarone showed any mutagenic effect; in contrast, 1'-hydroxymethyleugenol (1'-OH-methyleugenol), used as a positive control, exhibited mutagenicity under these conditions. These results indicate that propenyllic asarones exert genotoxicity through the metabolic formation of side-chain epoxides; whereas for allylic γ -asarone, either its side-chain hydroxylation/sulfonation pathway is not operative, or this pathway does not lead to its mutagenicity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8019 mL	24.0096 mL	48.0192 mL
5 mM	0.9604 mL	4.8019 mL	9.6038 mL
10 mM	0.4802 mL	2.401 mL	4.8019 mL
50 mM	0.096 mL	0.4802 mL	0.9604 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

Kerstin Berg, et al. Comparative investigation of the mutagenicity of propenylic and allylic asarone isomers in the Ames fluctuation assay. *Mutagenesis*. 2016 Jul;31(4):443-51.

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