

3,4,5'-Trihydroxy-3'-methoxy-trans-stilbene

Chemical Properties

CAS No. :	96853-54-2
Formula:	C ₁₅ H ₁₄ O ₄
Molecular Weight:	258.27
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	3,4,5'-Trihydroxy-3'-methoxy-trans-stilbene (Compound 3) is a stilbene derivative identified in <i>Stuhlmannia moavi</i> . It exhibits moderate anti-proliferative and anti-malarial properties, with IC ₅₀ values of 54 μM against A2780 human ovarian cancer cells and 27 μM against <i>Plasmodium falciparum</i> . This compound is applicable in ovarian cancer and malaria research.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 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.

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