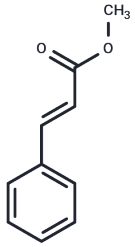
Data Sheet (Cat.No.TN6703)

TargetMol

Methyl (E)-cinnamate

Chemical Properties



CAS No. : 1754-62-7

Formula: C10H10O2

Molecular Weight: 162.19

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	Methyl (E)-cinnamate exhibits antifungal and antibacterial activity, inhibiting Staphylococcus aureus, Salmonella, Penicillium, Fusarium, and other microorganisms, and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1656 mL	30.828 mL	61.6561 mL
5 mM	1.2331 mL	6.1656 mL	12.3312 mL
10 mM	0.6166 mL	3.0828 mL	6.1656 mL
50 mM	0.1233 mL	0.6166 mL	1.2331 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

Park KR, et al. A Phytochemical Constituent, (E)-Methyl-Cinnamate Isolated from Alpinia katsumadai Hayata Suppresses Cell Survival, Migration, and Differentiation in Pre-Osteoblasts. Int J Mol Sci. 2020;21(10):3700. Published 2020 May 24.

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