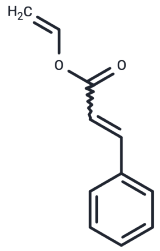
Data Sheet (Cat.No.TN6664)

TargetMol

Vinyl Cinnamate

Chemical Properties



CAS No. : 3098-92-8

Formula: C11H10O2

Molecular Weight: 174.2

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	Vinyl Cinnamate is a cinnamic acid derivative suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	The surface of cotton cellulose nanowhiskers (CNW's) was esterified by vinyl acetate (VAc) and Vinyl Cinnamate (VCin), in the presence of potassium carbonate as a catalyst. Distinctively from the acetylation treatment, an increase in particle dimensions was noted after esterification with VCin, which was assigned to π-π stacking interactions that may exist between cinnamoyl moieties.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7405 mL	28.7026 mL	57.4053 mL
5 mM	1.1481 mL	5.7405 mL	11.4811 mL
10 mM	0.5741 mL	2.8703 mL	5.7405 mL
50 mM	0.1148 mL	0.5741 mL	1.1481 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

Sèbe G, et al. Dispersibility and emulsion-stabilizing effect of cellulose nanowhiskers esterified by vinyl acetate and vinyl cinnamate. Biomacromolecules. 2013 Aug 12;14(8):2937-44.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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