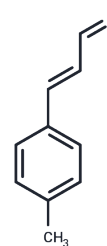


(E)-3-(p-Tolyl)acrylaldehyde

Chemical Properties

CAS No. :	56578-35-9
Formula:	C ₁₀ H ₁₀ O
Molecular Weight:	146.19
Storage:	Store under nitrogen, 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	(E)-3-(p-Tolyl)acrylaldehyde is a cinnamaldehyde and endogenous metabolite commonly used as a food flavoring with inhibitory effect on Coxsackievirus B3 (CC50=3.96 μM), which can be used in biochemical experiments and organic synthesis.
Targets(IC50)	Anti-infection, Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.8404 mL	34.2021 mL	68.4041 mL
5 mM	1.3681 mL	6.8404 mL	13.6808 mL
10 mM	0.684 mL	3.4202 mL	6.8404 mL
50 mM	0.1368 mL	0.684 mL	1.3681 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

Alipour B. DFT investigation of the mechanism and role of N-heterocyclic carbene (NHC) in constructing asymmetric organosilanes using NHC-catalyzed [4+2] cycloaddition reaction. RSC Adv. 2024 Nov 6;14(48):35475-35489.

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