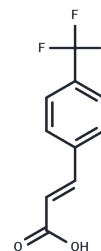


trans-4-(Trifluoromethyl)cinnamic acid

Chemical Properties

CAS No. :	16642-92-5
Formula:	C ₁₀ H ₇ F ₃ O ₂
Molecular Weight:	216.16
Storage:	Keep away from moisture 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	trans-4-(Trifluoromethyl)cinnamic acid belongs to the cinnamic acid class of compounds that can be isolated from cinnamon bark and exhibits a 74.8% inhibitory effect on protein tyrosine phosphatase.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6262 mL	23.131 mL	46.262 mL
5 mM	0.9252 mL	4.6262 mL	9.2524 mL
10 mM	0.4626 mL	2.3131 mL	4.6262 mL
50 mM	0.0925 mL	0.4626 mL	0.9252 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

Lovelock SL, et al. Bacterial *Anabaena variabilis* phenylalanine ammonia lyase: A biocatalyst with broad substrate specificity. *Bioorg Med Chem.* 2014;22(17):4810-4815.

WO1997008934A2-Arylacrylic acid derivatives useful as protein tyrosine phosphatase inhibitors

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