

m-Tolylacetic acid

Chemical Properties

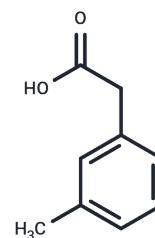
CAS No. : 621-36-3

Formula: C₉H₁₀O₂

Molecular Weight: 150.17

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	m-Tolylacetic acid is a phenylacetic acid derivative exhibiting antibacterial activity against <i>S. aureus</i> .
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 80 mg/mL (532.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6591 mL	33.2956 mL	66.5912 mL
5 mM	1.3318 mL	6.6591 mL	13.3182 mL
10 mM	0.6659 mL	3.3296 mL	6.6591 mL
50 mM	0.1332 mL	0.6659 mL	1.3318 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

BERNHARD K, et al. [Further studies on the metabolic behavior of some aromatic and hydroaromatic mono- and dicarboxylic acids]. Hoppe Seylers Z Physiol Chem. 1958;310(1-2):37-43.

Kumar U, Neenan TX. Diels-Alder polymerization between bis (cyclopentadienones) and acetylenes. A versatile route to new highly aromatic polymers. Macromolecules. 1995 Jan;28(1):124-30.

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