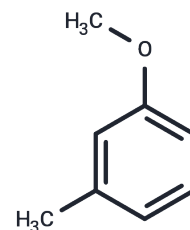


1-Methoxy-3-methylbenzene

Chemical Properties

CAS No. :	100-84-5
Formula:	C ₈ H ₁₀ O
Molecular Weight:	122.16
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	1-Methoxy-3-methylbenzene is a potential acetylcholinesterase inhibitor identified through QSAR (quantitative structure-activity relationship) analysis, and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Antibacterial, Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 4 mg/mL (32.74 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	8.186 mL	40.9299 mL	81.8599 mL
5 mM	1.6372 mL	8.186 mL	16.372 mL
10 mM	0.8186 mL	4.093 mL	8.186 mL
50 mM	0.1637 mL	0.8186 mL	1.6372 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

Hitschler J, Boles E. Improving 3-methylphenol (m-cresol) production in yeast via in vivo glycosylation or methylation. FEMS Yeast Res. 2020 Dec 16;20(8):foaa063.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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