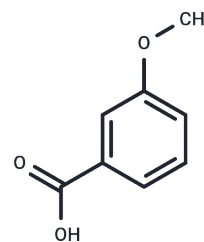


3-Methoxybenzoic acid

Chemical Properties

CAS No. :	586-38-9
Formula:	C ₈ H ₈ O ₃
Molecular Weight:	152.15
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	3-Methoxybenzoic acid (NSC 27014) is a food additive, and has antibacterial activity.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 45 mg/mL (295.76 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	6.5725 mL	32.8623 mL	65.7246 mL
5 mM	1.3145 mL	6.5725 mL	13.1449 mL
10 mM	0.6572 mL	3.2862 mL	6.5725 mL
50 mM	0.1314 mL	0.6572 mL	1.3145 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

- Popiołek Ł, Biernasiuk A. Hydrazone-hydrazones of 3-methoxybenzoic acid and 4-tert-butylbenzoic acid with promising antibacterial activity against *Bacillus* spp. *J Enzyme Inhib Med Chem*. 2016;31(sup1):62-69.
- Patrícia R. Dametto, Ambrozini B, Siqueira A B, et al. Synthesis, characterization and thermal behaviour of solid-state compounds of europium(III) and gadolinium(III) 3-methoxybenzoate[J]. *Journal of Thermal Analysis & Calorimetry*, 2009, 97(2):765-768.

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