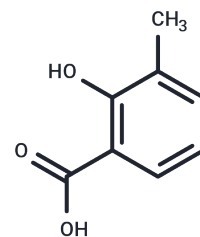


## 3-Methylsalicylic acid

## Chemical Properties

CAS No. :	83-40-9
Formula:	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight:	152.15
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	3-Methylsalicylic acid (o-Cresotic acid) is a long-acting salicylate derivative with antilipidemic properties. Hydroxytoluic acid has been shown to lower plasma free fatty acid and cholesterol levels.
Targets(IC50)	COX

## 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.

## Reference

Cummings AJ, Martin BK. Br J Pharmacol ChemOthers. 1965 Oct;25(2):470-80.

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