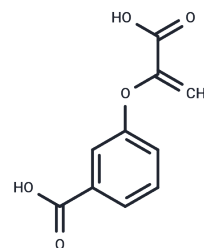


## 3-(1-Carboxyvinyl)benzoic acid

## Chemical Properties

CAS No. :	16929-37-6
Formula:	C <sub>10</sub> H <sub>8</sub> O <sub>5</sub>
Molecular Weight:	208.17
Storage:	Store at low temperature 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	3-(1-Carboxyvinyl)benzoic acid is a dual enzymatic inhibitor of MbtI from Mycobacterium tuberculosis and arginine synthase from Serratia marcescens, exhibiting Ki values of 500 μM and 3.2 μM respectively, 3-(1-Carboxyvinyl)benzoic acid display measurable antibacterial activity that supports its application as a mechanistic probe and lead compound for anti-infective and antimicrobial drug discovery research.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8038 mL	24.0188 mL	48.0377 mL
5 mM	0.9608 mL	4.8038 mL	9.6075 mL
10 mM	0.4804 mL	2.4019 mL	4.8038 mL
50 mM	0.0961 mL	0.4804 mL	0.9608 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

Manos-Turvey A, et al. Inhibition studies of Mycobacterium tuberculosis salicylate synthase (MbtI). ChemMedChem. 2010 Jul 5;5(7):1067-79.

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