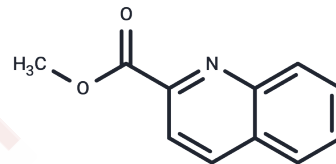


## Methyl quinoline-2-carboxylate

## Chemical Properties

CAS No. :	19575-07-6
Formula:	C <sub>11</sub> H <sub>9</sub> NO <sub>2</sub>
Molecular Weight:	187.19
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	Methyl quinoline-2-carboxylate (Methyl 2-quinolinecarboxylate) inhibits the binding of Mycobacterium tuberculosis.
Targets(IC50)	Antibacterial

## Solubility Information

Solubility	DMSO: 55 mg/mL (293.82 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	5.3422 mL	26.7108 mL	53.4217 mL
5 mM	1.0684 mL	5.3422 mL	10.6843 mL
10 mM	0.5342 mL	2.6711 mL	5.3422 mL
50 mM	0.1068 mL	0.5342 mL	1.0684 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

Vaitilingam B, et al. Synthesis and antimycobacterial activities of ring-substituted quinolinecarboxylic acid/ester analogues. Part Bioorganic & medicinal chemistry. 2004; 12(15): 4179-4188.

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