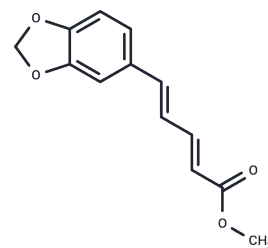


## Methyl piperate

## Chemical Properties

CAS No. :	6190-46-1
Formula:	C13H12O4
Molecular Weight:	232.23
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	Methylpiperic acid, a piperine alkaloid, exhibits potent inhibitory activity on monoamine oxidase (MAO), with differing efficacy on isoforms: greater inhibition of MAO-A (IC 50 27.1 $\mu$ M) compared to MAO-B (IC 50 1.6 $\mu$ M), indicative of its bidirectional inhibition. Moreover, it is applied in the treatment of mental disorders [1].
Targets(IC50)	Monoamine Oxidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3061 mL	21.5304 mL	43.0608 mL
5 mM	0.8612 mL	4.3061 mL	8.6122 mL
10 mM	0.4306 mL	2.153 mL	4.3061 mL
50 mM	0.0861 mL	0.4306 mL	0.8612 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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