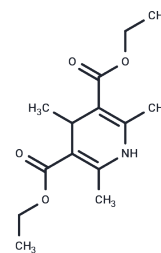


## Diethyl 2,4,6-trimethyl-1,4-dihydropyridine-3,5-dicarboxylate

### Chemical Properties

CAS No. :	632-93-9
Formula:	C <sub>14</sub> H <sub>21</sub> N <sub>1</sub> O <sub>4</sub>
Molecular Weight:	267.32
Storage:	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	Diethyl 2,4,6-trimethyl-1,4-dihydropyridine-3,5-dicarboxylate is an inhibitor of the iron-chelating enzyme ferrochelatase, blocking heme synthesis. It induces the formation of Mallory Denk bodies (MDB) in mice and is applicable in research on iron metabolism, oxidative stress, and liver-related diseases.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7408 mL	18.7042 mL	37.4083 mL
5 mM	0.7482 mL	3.7408 mL	7.4817 mL
10 mM	0.3741 mL	1.8704 mL	3.7408 mL
50 mM	0.0748 mL	0.3741 mL	0.7482 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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