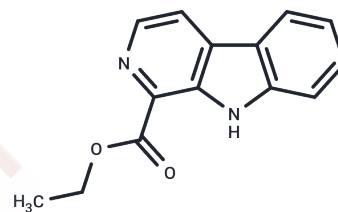


1-Ethoxycarbonyl- $\beta$ -carboline

## Chemical Properties

CAS No. :	72755-19-2
Formula:	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	240.26
Storage:	Keep away from direct sunlight 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	1-Ethoxycarbonyl- $\beta$ -carboline is an anti-inflammatory compound that inhibits superoxide anion production ( $IC_{50} = 4.87 \mu\text{g/mL}$ ) and elastase release ( $IC_{50} = 6.29 \mu\text{g/mL}$ ).
Targets( $IC_{50}$ )	ROS

## Solubility Information

Solubility	DMSO: 80 mg/mL (332.97 mM), Sonication is recommended. ( $< 1 \text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1622 mL	20.8108 mL	41.6216 mL
5 mM	0.8324 mL	4.1622 mL	8.3243 mL
10 mM	0.4162 mL	2.0811 mL	4.1622 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

Fang HW, et al. Total synthesis of cordatanine, structural reassignment of drymaritin, and anti-inflammatory activity of synthetic precursors. *Bioorg Med Chem Lett*. 2015 Sep 15;25(18):3822-4.

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