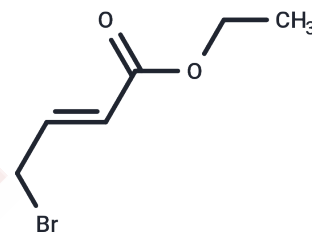


Ethyl 4-bromocrotonate

Chemical Properties

CAS No. :	37746-78-4
Formula:	C ₆ H ₉ BrO ₂
Molecular Weight:	193.04
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	Ethyl 4-bromocrotonate ((E)-Ethyl 4-bromobut-2-enoate) is an antimicrobial compound belonging to the ester group. As an important pharmaceutical intermediate, it has been used as a substrate for enzyme-catalyzed reactions, and as a tool for studying enzyme kinetics. It has also been found to have anti-inflammatory and analgesic properties.
Targets(IC50)	Antifungal
In vitro	Ethyl 4-bromocrotonate shows antifungal activity for <i>C. albicans</i> , <i>A. niger</i> , <i>M. mucedo</i> , <i>T. mentagrophytes</i> . At PH=7.0 and in presence of 10% beef serum, Ethyl 4-bromocrotonate exhibits MIC of 40 µg/mL, 80 µg/mL, 7 µg/mL, 4 µg/mL for <i>C. albicans</i> , <i>A. niger</i> , <i>M. mucedo</i> , <i>T. mentagrophytes</i> , respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1803 mL	25.9014 mL	51.8027 mL
5 mM	1.0361 mL	5.1803 mL	10.3605 mL
10 mM	0.518 mL	2.5901 mL	5.1803 mL
50 mM	0.1036 mL	0.518 mL	1.0361 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

Gershon, Herman; Journal of Medicinal Chemistry (1976), 19(8), 1069-72, CAlplus and MEDLINE

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