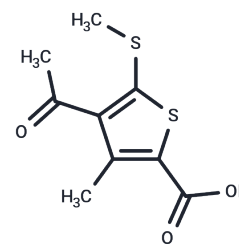


4-acetyl-3-methyl-5-(methylsulfanyl)-2-thiophenecarboxylic acid

Chemical Properties

CAS No. :	74597-87-8
Formula:	C ₉ H ₁₀ O ₃ S ₂
Molecular Weight:	230.3
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	4-acetyl-3-methyl-5-(methylsulfanyl)-2-thiophenecarboxylic acid, with CAS No. 74597-87-8, is a fragment molecule that serves as an important scaffold for molecular linking, expansion, and modification. 4-acetyl-3-methyl-5-(methylsulfanyl)-2-thiophenecarboxylic acid provides a structural basis and research tool for the design and screening of novel drug candidates, and is commonly used in drug discovery, drug synthesis, and related research.
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Solubility Information

Solubility	DMSO: 46.06 mg/mL (200 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	4.3422 mL	21.7108 mL	43.4216 mL
5 mM	0.8684 mL	4.3422 mL	8.6843 mL
10 mM	0.4342 mL	2.1711 mL	4.3422 mL
50 mM	0.0868 mL	0.4342 mL	0.8684 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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