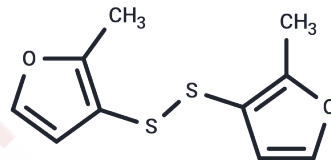


Bis(2-methyl-3-furyl)disulfide

Chemical Properties

CAS No. :	28588-75-2
Formula:	C ₁₀ H ₁₀ O ₂ S ₂
Molecular Weight:	226.32
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	Itaconic acid is a precursor for the synthesis of polymers, chemicals, and fuels, and has anti-inflammatory activity. Itaconic acid can be synthesized by fungi. It is also a macrophage-specific metabolite. It mediates crosstalk between macrophage metabolism and peritoneal tumors.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (243.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.84 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4185 mL	22.0926 mL	44.1852 mL
5 mM	0.8837 mL	4.4185 mL	8.837 mL
10 mM	0.4419 mL	2.2093 mL	4.4185 mL
50 mM	0.0884 mL	0.4419 mL	0.8837 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

Kobayashi, et al. Flavoring composition. Assignee: Ogawa and Co., Ltd., Japan; Morinaga Milk Industry Co., Ltd.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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