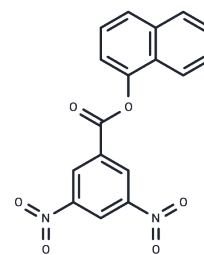


1-Naphthyl 3,5-dinitrobenzoate

Chemical Properties

CAS No. :	93261-39-3
Formula:	C ₁₇ H ₁₀ N ₂ O ₆
Molecular Weight:	338.27
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	1-Naphthyl 3,5-dinitrobenzoate (JMC-4) is an inhibitor of 5-LOX can be used in studies about inflammatory therapy.
Targets(IC50)	Lipoxygenase

Solubility Information

Solubility	DMSO: 3.39 mg/mL (10.02 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	2.9562 mL	14.7811 mL	29.5622 mL
5 mM	0.5912 mL	2.9562 mL	5.9124 mL
10 mM	0.2956 mL	1.4781 mL	2.9562 mL
50 mM	0.0591 mL	0.2956 mL	0.5912 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

Shang E, et al. Development of 3,5-dinitrobenzoate-based 5-lipoxygenase inhibitors. Bioorg Med Chem. 2014 Apr 15;22(8):2396-402.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481