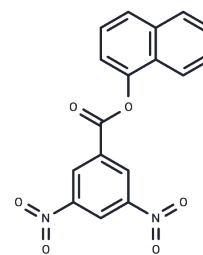


1-Naphthyl 3,5-dinitrobenzoate

Chemical Properties

CAS No. :	93261-39-3
Formula:	C17H10N2O6
Molecular Weight:	338.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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: 3.38 mg/mL (10 mM) (< 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.

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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