

## Elaidic acid sodium

## Chemical Properties

CAS No. :	18175-45-6
Formula:	C18H33NaO2
Molecular Weight:	304.44
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	Elaidic acid sodium is the primary trans fat found in hydrogenated vegetable oils and can be used as a solvent for pharmaceuticals. In human platelets incubated with arachidonic acid, sodium elaidic acid inhibits the formation of HHT and HETE while inducing the synthesis of prostaglandins and thromboxanes.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H2O: 2.00 mg/mL (6.57 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	3.2847 mL	16.4236 mL	32.8472 mL
5 mM	0.6569 mL	3.2847 mL	6.5694 mL
10 mM	0.3285 mL	1.6424 mL	3.2847 mL
50 mM	0.0657 mL	0.3285 mL	0.6569 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.

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