

## (R)-Naproxen

## Chemical Properties

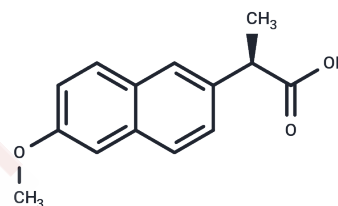
CAS No. : 23979-41-1

Formula: C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>

Molecular Weight: 230.26

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	(R)-Naproxen, an anti-inflammatory agent, has antipyretic and analgesic properties. Both the acid and its sodium salt are used in the therapy of acute gout or dysmenorrhea, musculoskeletal disorders, rheumatoid arthritis and other rheumatic.
Targets(IC50)	COX,Ras

## Solubility Information

Solubility	DMSO: 45 mg/mL (195.43 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	4.3429 mL	21.7146 mL	43.4292 mL
5 mM	0.8686 mL	4.3429 mL	8.6858 mL
10 mM	0.4343 mL	2.1715 mL	4.3429 mL
50 mM	0.0869 mL	0.4343 mL	0.8686 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

Albertini R, et al. *Inflamm Res*. 2007, 56(6):228-9.

Zhao, Ming, et al. GCG inhibits SARS-CoV-2 replication by disrupting the liquid phase condensation of its nucleocapsid protein. *Nature Communications*. 2021 Apr 9;12(1):2114. doi: 10.1038/s41467-021-22297-8.

Zhao, Ming, et al. GCG inhibits SARS-CoV-2 replication by disrupting the liquid phase condensation of its nucleocapsid protein. *Nature Communications* . 12.1 (2021): 1-14.

Liu Y, Liu Y, Liu Z, et al. Chiral Molecularly Imprinted Polymeric Stir Bar Sorptive Extraction for Naproxen Enantiomer Detection in PPCPs. *Journal of Hazardous Materials*. 2020: 122251.

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