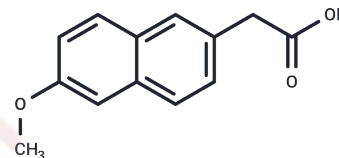


$\alpha$ -Demethylnaproxen

## Chemical Properties

CAS No. :	23981-47-7
Formula:	C <sub>13</sub> H <sub>12</sub> O <sub>3</sub>
Molecular Weight:	216.23
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	$\alpha$ -Demethylnaproxen is a competitive inhibitor of COX(Ki values of 21 and 19 $\mu$ M for ovine COX-1 and -2, respectively)
Targets(IC50)	COX,Drug Metabolite

## Solubility Information

Solubility	DMSO: 3.6 mg/mL (16.65 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	4.6247 mL	23.1235 mL	46.2471 mL
5 mM	0.9249 mL	4.6247 mL	9.2494 mL
10 mM	0.4625 mL	2.3124 mL	4.6247 mL
50 mM	0.0925 mL	0.4625 mL	0.9249 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

Johnson J L , Wimsatt J , Buckel S D , et al. Purification and Characterization of Prostaglandin H Synthase-2 from Sheep Placental Cotyledons[J]. Archives of Biochemistry & Biophysics, 1995, 324(1):0-34.

Barnett J , Chow J , Ives D , et al. Purification, characterization and selective inhibition of human prostaglandin G/H synthase 1 and 2 expressed in the baculovirus system[J]. Biochimica Et Biophysica Acta, 1994, 1209(1):130-139.

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