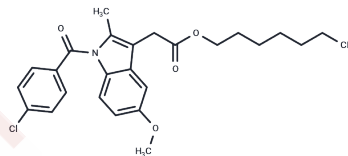


## Indomethacin heptyl ester

## Chemical Properties

CAS No. :	282728-47-6
Formula:	C <sub>26</sub> H <sub>30</sub> ClNO <sub>4</sub>
Molecular Weight:	455.97
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	Indomethacin heptyl ester is a non-selective inhibitor of both COX-1 and COX-2
Targets(IC50)	COX

## Solubility Information

Solubility	DMSO: 45 mg/mL (98.69 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	2.1931 mL	10.9656 mL	21.9313 mL
5 mM	0.4386 mL	2.1931 mL	4.3863 mL
10 mM	0.2193 mL	1.0966 mL	2.1931 mL
50 mM	0.0439 mL	0.2193 mL	0.4386 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

Kalgutkar AS, Marnett AB, Crews BC, et al. Ester and amide derivatives of the nonsteroidal antiinflammatory drug, indomethacin, as selective cyclooxygenase-2 inhibitors. J Med Chem. 2000 Jul 27;43(15):2860-70.

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