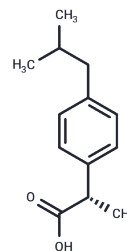


(S)-(+)-Ibuprofen

Chemical Properties

CAS No. :	51146-56-6
Formula:	C ₁₃ H ₁₈ O ₂
Molecular Weight:	206.28
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	(S)-(+)-Ibuprofen (Dexibuprofen) , is a non-steroidal anti-inflammatory drug (NSAID), inhibiting cyclooxygenase (COX).
Targets(IC50)	Bcl-2 Family,COX,Cysteine Protease,PPAR,Thrombin

Solubility Information

Solubility	DMSO: 25 mg/mL (121.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.7 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8478 mL	24.2389 mL	48.4778 mL
5 mM	0.9696 mL	4.8478 mL	9.6956 mL
10 mM	0.4848 mL	2.4239 mL	4.8478 mL
50 mM	0.097 mL	0.4848 mL	0.9696 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

Sanchez-Fidalgo S, et al. Eur J Pharmacol. 2004 Nov 28; 505(1-3):187-94.

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