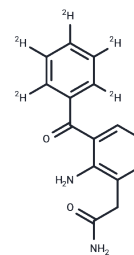


Nepafenac-D5

Chemical Properties

CAS No. :	1246814-53-8
Formula:	C ₁₅ H ₁₄ N ₂ O ₂
Molecular Weight:	259.31
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	Nepafenac-D5 is the deuterium labeled Nepafenac (T1280), which is a selective inhibitor of COX-2 .
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 100 mg/mL (385.64 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: 3.3 mg/mL (12.73 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	3.8564 mL	19.2819 mL	38.5639 mL
5 mM	0.7713 mL	3.8564 mL	7.7128 mL
10 mM	0.3856 mL	1.9282 mL	3.8564 mL
50 mM	0.0771 mL	0.3856 mL	0.7713 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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