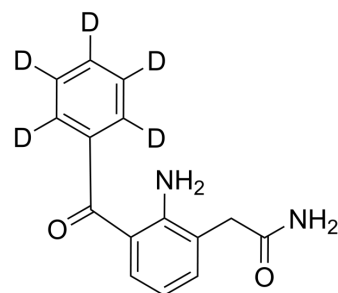


Nepafenac-d₅

Cat. No.:	HY-17357S		
CAS No.:	1246814-53-8		
Molecular Formula:	C ₁₅ H ₉ D ₅ N ₂ O ₂		
Molecular Weight:	259.31		
Target:	COX		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (385.64 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (9.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (9.64 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Nepafenac-d₅ is the deuterium labeled Nepafenac, which is a selective COX-2 inhibitor.

Caution: Product has not been fully validated for medical applications. For research use only.

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