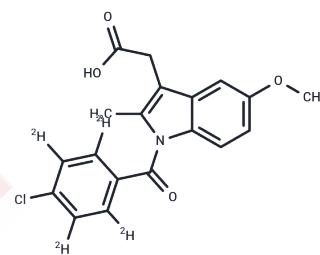


## Indomethacin-D4

## Chemical Properties

CAS No. :	87377-08-0
Formula:	C <sub>19</sub> H <sub>16</sub> ClNO <sub>4</sub>
Molecular Weight:	361.81
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-D4 is a deuterium labeled Indomethacin. Indomethacin (T0458) is a potent and nonselective inhibitor of COX1 and COX2, with IC50s of 18 nM and 26 nM for human COX-1 and COX-2, respectively, in CHO cells.
Targets(IC50)	Autophagy,COX

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7639 mL	13.8194 mL	27.6388 mL
5 mM	0.5528 mL	2.7639 mL	5.5278 mL
10 mM	0.2764 mL	1.3819 mL	2.7639 mL
50 mM	0.0553 mL	0.2764 mL	0.5528 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

Riendeau D, et al. Biochemical and pharmacological profile of a tetrasubstituted furanone as a highly selective COX-2 inhibitor. Br J Pharmacol. 1997 May;121(1):105-17.

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