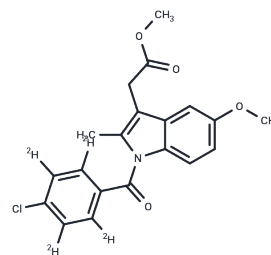


Indomethacin-D4 Methyl Ester

Chemical Properties

CAS No. :	1217064-61-3
Formula:	C ₂₀ H ₁₈ ClNO ₄
Molecular Weight:	375.84
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 Methyl Ester is the deuterated form of Indomethacin Methyl Ester (T65290). Indomethacin (Indometacin) serves as a potent, non-selective inhibitor of COX-1 and COX-2 that can cross the blood-brain barrier, with IC ₅₀ values of 18 nM for COX-1 and 26 nM for COX-2 in CHO cells. It disrupts autophagic flux by interfering with the normal function of lysosomes.
Targets(IC ₅₀)	Autophagy,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6607 mL	13.3035 mL	26.6071 mL
5 mM	0.5321 mL	2.6607 mL	5.3214 mL
10 mM	0.2661 mL	1.3304 mL	2.6607 mL
50 mM	0.0532 mL	0.2661 mL	0.5321 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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