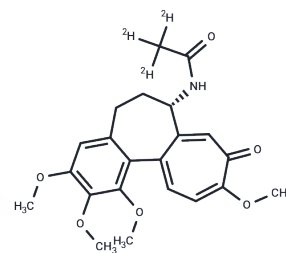


Colchicine-D3

Chemical Properties

CAS No. :	1217625-62-1
Formula:	C ₂₂ H ₂₅ N ₀ O ₆
Molecular Weight:	402.46
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	Colchicine-D3 is the deuterated form of Colchicine. Colchicine (T0320) acts as a microtubule protein (tubulin) inhibitor and disruptor of microtubules (microtubule), with an IC ₅₀ of 3 nM for inhibiting microtubule polymerization. Additionally, Colchicine (T0320) serves as a competitive antagonist of the α ₃ glycine receptor (GlyRs).
Targets(IC ₅₀)	Apoptosis, NOD-like Receptor (NLR), Microtubule Associated, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4847 mL	12.4236 mL	24.8472 mL
5 mM	0.4969 mL	2.4847 mL	4.9694 mL
10 mM	0.2485 mL	1.2424 mL	2.4847 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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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