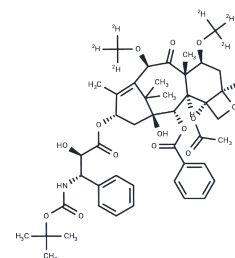


Cabazitaxel-D6

Chemical Properties

CAS No. :	1383561-29-2
Formula:	C45H51D6NO14
Molecular Weight:	841.97
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	Cabazitaxel-D6 is a deuterium labeled cabazitaxel. Cabazitaxel (T2543) is a semi-synthetic derivative of the natural taxoid 10-deacetylbaccatin III with potential antineoplastic activity. Cabazitaxel (T2543) binds to and stabilizes tubulin, resulting in the inhibition of microtubule depolymerization and cell division, cell cycle arrest in the G2/M phase, and the inhibition of tumor cell proliferation. Unlike other taxane compounds, this agent is a poor substrate for the membrane-associated, multidrug resistance (MDR), P-glycoprotein (P-gp) efflux pump and may be useful for treating multidrug-resistant tumors. In addition, cabazitaxel penetrates the blood-brain barrier (BBB).
Targets(IC50)	Microtubule Associated, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1877 mL	5.9385 mL	11.8769 mL
5 mM	0.2375 mL	1.1877 mL	2.3754 mL
10 mM	0.1188 mL	0.5938 mL	1.1877 mL
50 mM	0.0238 mL	0.1188 mL	0.2375 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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