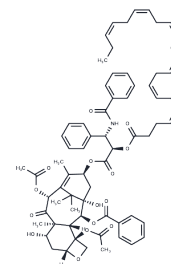


DHA-paclitaxel

Chemical Properties

CAS No. :	199796-52-6
Formula:	C ₆₉ H ₈₁ N ₃ O ₁₅
Molecular Weight:	1164.38
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	DHA-paclitaxel, also known as Taxoprexin, is a prodrug comprised of the naturally occurring omega-3 fatty acid docosahexaenoic acid (DHA) covalently conjugated to the anti-microtubule agent paclitaxel. Because tumor cells take up DHA, DHA-paclitaxel is delivered directly to tumor tissue, where the paclitaxel moiety binds to tubulin and inhibits the disassembly of microtubules, thereby resulting in the inhibition of cell division. Paclitaxel also induces apoptosis by binding to and blocking the function of the apoptosis inhibitor protein Bcl-2 (B-cell Leukemia 2). DHA-paclitaxel exhibits improved pharmacokinetic and toxicity profiles when compared to conventional paclitaxel and has demonstrated antineoplastic activity in animal models of cancer.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8588 mL	4.2941 mL	8.5883 mL
5 mM	0.1718 mL	0.8588 mL	1.7177 mL
10 mM	0.0859 mL	0.4294 mL	0.8588 mL
50 mM	0.0172 mL	0.0859 mL	0.1718 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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