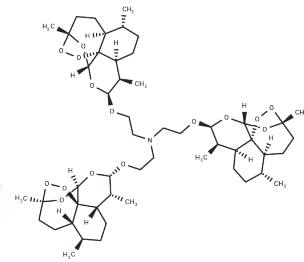


Antitumor agent-196

Chemical Properties

CAS No. : 2705841-17-2
 Formula: C₅₁H₈₁NO₁₅
 Molecular Weight: 948.187
 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	Antitumor agent-196 (Compound 6a (β, β, β)) is an artemisinin-based oligomer with anticancer properties, exhibiting an IC ₅₀ of 90 nM against MCF-7 breast cancer cells. This compound induces apoptosis by modulating the Bax-caspase 3 signaling pathway and triggers ferroptosis by regulating key signaling molecules (including GPX4). Antitumor agent-196 shows potential for cancer research applications.
Targets(IC50)	Apoptosis, Ferroptosis, Caspase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0546 mL	5.2732 mL	10.5464 mL
5 mM	0.2109 mL	1.0546 mL	2.1093 mL
10 mM	0.1055 mL	0.5273 mL	1.0546 mL
50 mM	0.0211 mL	0.1055 mL	0.2109 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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