

DETD-35

Chemical Properties

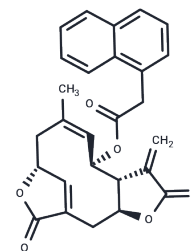
CAS No. : 1836209-98-3

Formula: C₂₇H₂₄O₆

Molecular Weight: 444.48

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	DETD-35 is a promising chemical compound in anti-melanoma therapy, functioning as an inhibitor of the MEK-ERK, Akt, and STAT3 signaling pathways. It enhances cancer cell apoptosis (Apoptosis) and diminishes resistance to Vemurafenib in cancer cells. The compound exhibits IC ₅₀ values of 2.7, 6.0, 3.9, 3.1, and 2.5 μM against melanoma cell lines B16-F10, MeWo, SK-MEL-2, A2058c, and A375c, respectively. DETD-35 offers significant potential for advancing research in melanoma treatment strategies.
Targets(IC ₅₀)	Apoptosis,ERK,Akt,STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2498 mL	11.2491 mL	22.4982 mL
5 mM	0.450 mL	2.2498 mL	4.4996 mL
10 mM	0.225 mL	1.1249 mL	2.2498 mL
50 mM	0.045 mL	0.225 mL	0.450 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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