

EGFR/BRAFV600E-IN-5

Chemical Properties

CAS No. :

Formula: C₃₀H₂₄ClN₇O₂S₂

Molecular Weight:

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	EGFR/BRAFV600E-IN-5 (Compound 71) is a dual inhibitor targeting both BRAFV600E and EGFR, with IC ₅₀ values of 0.048 μM and 0.037 μM, respectively. It exhibits potent anti-melanoma activity, showing IC ₅₀ values of 3.16 μM for MALME-3M cells and 2.50 μM for LOX-IMVI cells. The compound exerts its antitumor effects by inducing G1 phase arrest, inhibiting DNA synthesis, and activating the mitochondrial apoptosis pathway. EGFR/BRAFV600E-IN-5 is useful for melanoma research, especially in studies focusing on the combined inhibition of the BRAFV600E mutation and EGFR signaling pathways.
Targets(IC ₅₀)	Apoptosis,EGFR,Raf,Bcl-2 Family

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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