

MEK/RAF-IN-1

Chemical Properties

CAS No. :

Formula: C₂₈H₂₉F₃N₆O₅S

Molecular Weight: 618.63

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	MEK/RAF-IN-1 (Compound 16b) serves as an inhibitor targeting both MEK and RAF, demonstrating potent efficacy with IC 50 values reported at 28 nM for MEK1, and 3 nM for both BRAF and BRAFV600E. This compound exhibits significant antitumor capabilities, effectively curbing cell proliferation in vitro in MIA PaCa-2 (G12C KRAS), HCT116 (G13D KRAS), and C26 (G12D KRAS) cells. Furthermore, MEK/RAF-IN-1 significantly restricts tumor growth in xenograft mouse models employed in the study of colorectal cancer.
Targets(IC50)	Raf,MEK,Ras,Kras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6165 mL	8.0824 mL	16.1648 mL
5 mM	0.3233 mL	1.6165 mL	3.233 mL
10 mM	0.1616 mL	0.8082 mL	1.6165 mL
50 mM	0.0323 mL	0.1616 mL	0.3233 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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