

EGFR/DHFR-IN-2

Chemical Properties

CAS No. :

Formula: C₂₄H₁₆N₄O₅

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/DHFR-IN-2 (9b) is a dual inhibitor of h-DHFR/EGFR TK, exhibiting IC ₅₀ values of 0.192 μM for h-DHFR and 0.109 μM for EGFR. It causes cell cycle arrest at the G1/S phase and induces apoptosis. Additionally, EGFR/DHFR-IN-2 (9b) is a potential inhibitor of CYP2C9 and CYP3A4. This compound can be utilized in cancer research.
Targets(IC ₅₀)	Apoptosis,EGFR,Cytochromes P450,DHFR
In vitro	EGFR/DHFR-IN-2 (9b) exhibits IC ₅₀ values of 6.89 ± 0.4 μM in HepG-2 cells and 5.68 ± 0.3 μM in Caco-2 cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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