

STAT-3/c-Src-IN-1

Chemical Properties

CAS No. :

Formula:

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	STAT-3/c-Src-IN-1 (Compound 12d) is a dual inhibitor of STAT-3 (IC ₅₀ =0.844 μM) and c-Src (IC ₅₀ =0.268 μM). It effectively disrupts tumor cell proliferation, migration, and angiogenesis pathways. This compound exhibits potent antiproliferative activity against melanoma (SK-MEL-2) and central nervous system cancer (SNB-75) cell lines, with GI ₅₀ values of -5.75 μM and -5.63 μM, respectively. It induces apoptosis through cell cycle arrest at the G ₀ /G ₁ and G ₂ /M phases. STAT-3/c-Src-IN-1 shows promise for research in melanoma and glioblastoma.
Targets(IC ₅₀)	Apoptosis,STAT,Src

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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