

STAT3-D11-PROTAC-VHL

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
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	STAT3-D11-PROTAC-VHL (Compound D11-PROTAC) is a PROTAC degrader targeting signal transducer and activator of transcription 3 (STAT3). It demonstrates anti-tumor activity with IC50 values of 1335 nM in HeLa cells and 1973 nM in MCF-7 cells. The compound binds to the DNA binding domain of STAT3, recruits the E3 ligase VHL to form a ternary complex, leading to ubiquitination and subsequent proteasomal degradation of STAT3. Additionally, STAT3-D11-PROTAC-VHL inhibits tumor cell growth, induces cell cycle arrest and apoptosis (apoptosis), and suppresses tumor immune evasion.
Targets(IC50)	Apoptosis,STAT,PROTACs

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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