

Carbonic anhydrase inhibitor 33

Chemical Properties

CAS No. :

Formula: C19H15FN6O2S

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	Carbonic anhydrase inhibitor33 (11D) is a dual inhibitor that targets both CA (carbonic anhydrase) IX/XII and CDK6. It exhibits Ki values of 19.7 nM for hCA IX and 26.1 nM for hCA XII. Additionally, Carbonic anhydrase inhibitor33 (11D) can induce G1 phase cell cycle arrest and apoptosis, making it relevant for research in non-small cell lung cancer (NSCLC).
Targets(IC50)	Apoptosis,CDK,Carbonic Anhydrase
In vitro	Carbonic anhydrase inhibitor 33 (11D) exhibits an IC50 of 2.39 μ M in A549 cells and 7.92 μ M in NCI-H1734 cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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