

A11 TFA

Chemical Properties

CAS No. :

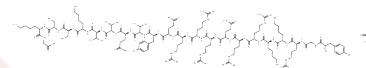
Formula: C117H204N46O32.XCF3COOH

Molecular Weight: 2767.16

Keep away from moisture

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	A11, a cell-penetrating peptide, integrates the HIV-1 Tat protein transduction domain with an 11-amino acid segment from the annexin A1 N-terminus (residues 20-30). This compound disrupts the interaction between annexin A1 and the Eph receptor tyrosine kinase A2 (EphA2), leading to enhanced EphA2 ubiquitination in HK1 nasopharyngeal carcinoma (NPC) cells. At a concentration of 10 μ M, A11 curtails proliferation, migration, and invasion of HK1 and 5-8F NPC cells. Furthermore, A11 demonstrably diminishes tumor volume in mouse xenograft models of 5-8F and HK1 NPC in vivo.
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Solubility Information

Solubility	PBS pH 7.2: 2 mg/mL (0.72 mM),Sonication is recommended. Ethanol: 1 mg/mL (0.36 mM),Sonication is recommended. DMSO: 10 mg/mL (3.61 mM),Sonication is recommended. DMF: 10 mg/mL (3.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3614 mL	1.8069 mL	3.6138 mL
5 mM	0.0723 mL	0.3614 mL	0.7228 mL
10 mM	0.0361 mL	0.1807 mL	0.3614 mL
50 mM	0.0072 mL	0.0361 mL	0.0723 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481