

APC-6860

Chemical Properties

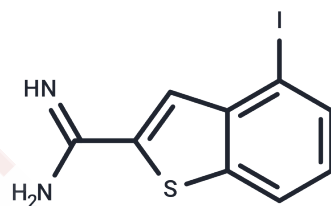
CAS No. : 154628-42-9

Formula: C₉H₇IN₂S

Molecular Weight: 302.13

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	APC-6860 is a trypsin-like serine protease inhibitor with (k_i) values of 0.21, 0.44, 1.5, 16.8, 20, and 30 μM for uPA, trypsin, tryptase, tPA, thrombin, and factor Xa, respectively. It exhibits a selectivity ratio for tPA versus uPA of 80 and has (k_i) values of 0.1 and 0.082 μM for human and murine urokinases, respectively. APC-6860 can be utilized for cancer research.
Targets(IC50)	Others,Serine Protease
In vitro	APC-6860 (compounds 2) inhibits urokinases in MiaPaCa-2 and Lewis Lung Carcinoma cells with IC 50 s of 1.4 and 3.1 μM , respectively[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3098 mL	16.5492 mL	33.0983 mL
5 mM	0.662 mL	3.3098 mL	6.6197 mL
10 mM	0.331 mL	1.6549 mL	3.3098 mL
50 mM	0.0662 mL	0.331 mL	0.662 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.

Reference

Katz BA, et al. Structural basis for selectivity of a small molecule, S1-binding, submicromolar inhibitor of urokinase-type plasminogen activator. Chem Biol. 2000 Apr;7(4):299-312.

Klinghofer V, et al. Species specificity of amidine-based urokinase inhibitors. Biochemistry. 2001 Aug 7;40(31):9125-31.

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