APC-6860

Cat. No.: HY-114015

CAS No.: 154628-42-9

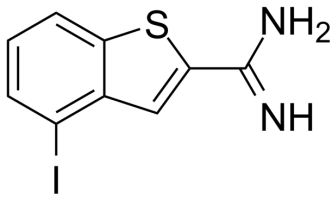
Molecular Formula: $C_9H_7IN_2S$

Molecular Weight: 302.13

Target: Ser/Thr Protease

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	APC-6860 is a trypsin-like serine proteases inhibitor with k_i values of 0.21 and 0.44 μM for uPA and trypsin, respectively. APC-6860 has a selectivity ratio for tPA versus uPA of 80. APC-6860 has k_i values of 0.1 and 0.082 μM for human and murine urokinases, respectively. APC-6860 can be used for the research of cancer[1][2].			
IC_{50} & Target	uPA 0.21 μM (Ki)	trypsin 0.44 μM (Ki)	tryptase 1.5 μM (Ki)	tPA 16.8 μM (Ki)
	thrombin 20 μM (Ki)	factor Xa 30 μM (Ki)	human urokinases 0.1 μM (Ki)	murine urokinases 0.082 μM (Ki)
In Vitro	APC-6860 (compound 2) inhibits urokinases in MiaPaCa-2 and Lewis Lung Carcinoma cells with IC_{50}s of 1.4 and 3.1 μM, respectively[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

REFERENCES

[1]. 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.

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

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