

UCD38B HCl

Chemical Properties

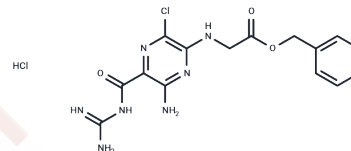
CAS No. : 1115177-19-9

Formula: C₁₅H₁₇Cl₂N₇O₃

Molecular Weight: 414.25

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	UCD38B HCl is a cell-permeable intracellular uPA inhibitor that acts by killing proliferative and non-proliferative high-grade glioma cells by programmed necrosis.
Targets(IC50)	Apoptosis,Others,PAI-1

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.414 mL	12.070 mL	24.140 mL
5 mM	0.4828 mL	2.414 mL	4.828 mL
10 mM	0.2414 mL	1.207 mL	2.414 mL
50 mM	0.0483 mL	0.2414 mL	0.4828 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

- Gorin FA, Pasupuleti N, Mahajan D, Dugar S. Killing Glioma 'Stem-like' Cells via Drug-Induced Relocation of Endosomal Urokinase Proteins. *Anticancer Agents Med Chem.* 2017;17(1):40-47. Review. PubMed PMID: 27357540.
- Pasupuleti N, Grodzki AC, Gorin F. Mis-trafficking of endosomal urokinase proteins triggers drug-induced glioma nonapoptotic cell death. *Mol Pharmacol.* 2015 Apr;87(4):683-96. doi: 10.1124/mol.114.096602. Epub 2015 Jan 29. PubMed PMID: 25634671; PubMed Central PMCID: PMC4366798.
- Leon LJ, Pasupuleti N, Gorin F, Carraway KL 3rd. A cell-permeant amiloride derivative induces caspase-independent, AIF-mediated programmed necrotic death of breast cancer cells. *PLoS One.* 2013 Apr 30;8(4):e63038. doi: 10.1371/journal.pone.0063038. Print 2013. PubMed PMID: 23646172; PubMed Central PMCID: PMC3639988.
- Pasupuleti N, Leon L, Carraway KL 3rd, Gorin F. 5-Benzylglyciny-amiloride kills proliferating and nonproliferating malignant glioma cells through caspase-independent necroptosis mediated by apoptosis-inducing factor. *J Pharmacol Exp Ther.* 2013 Mar;344(3):600-15. doi: 10.1124/jpet.112.200519. Epub 2012 Dec 14. PubMed PMID: 23241369; PubMed Central PMCID: PMC3583503.

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