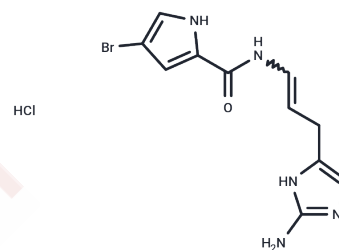


Hymenidin HCl

Chemical Properties

CAS No. :	2651207-52-0
Formula:	C ₁₁ H ₁₃ BrClN ₅ O
Molecular Weight:	346.61
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Hymenidin HCl is a natural alkaloid isolated from <i>Hymeniacidon</i> sp. and acts as a serotonin (5-HT) receptor antagonist. Hymenidin HCl inhibits voltage-gated potassium channels (Kv), exhibits selective inhibition of CDK5, affects cellular signaling, and induces apoptosis in cancer cells.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8851 mL	14.4254 mL	28.8509 mL
5 mM	0.577 mL	2.8851 mL	5.7702 mL
10 mM	0.2885 mL	1.4425 mL	2.8851 mL
50 mM	0.0577 mL	0.2885 mL	0.577 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

- Sun Y, et al. Integrated discovery of FOXO1-DNA stabilizers from marine natural products to restore chemosensitivity to anti-EGFR-based therapy for metastatic lung cancer. *Mol Biosyst.* 2017 Jan 31;13(2):330-337.
- Kobayashi J, et al. A novel antagonist of serotonergic receptors, hymenidin, isolated from the Okinawan marine sponge *Hymeniacidon* sp. *Experientia.* 1986 Oct 15;42(10):1176-7.

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