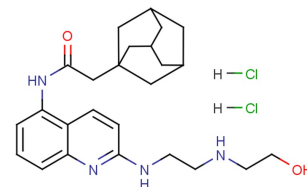


AZ10606120 dihydrochloride

Chemical Properties

CAS No.:	607378-18-7
Formula:	C ₂₅ H ₃₆ Cl ₂ N ₄ O ₂
Molecular Weight:	495.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	AZ10606120 dihydrochloride has anti-depressant effects and reduces tumour growth[1]. AZ10606120 dihydrochloride is a selective, high affinity antagonist for P2X7 receptor (P2X7R) at human and rat with an IC ₅₀ of ~10 nM and it is little or no effect at other P2XR subtypes.
Targets(IC ₅₀)	P2X7R: ~10 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.018 mL	10.091 mL	20.182 mL
5 mM	0.404 mL	2.018 mL	4.036 mL
10 mM	0.202 mL	1.009 mL	2.018 mL
50 mM	0.04 mL	0.202 mL	0.404 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Allsopp RC, et al. Unique residues in the ATP gated human P2X7 receptor define a novel allosteric binding pocket for the selective antagonist AZ10606120. Sci Rep. 2017 Apr 7;7(1):725.

Inhibitors · Natural Compounds · Compound Libraries

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