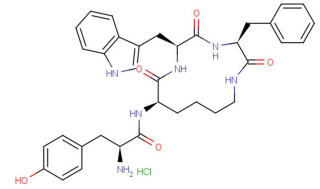


Data Sheet (Cat.No.T10926L)

CYT-1010 hydrochloride

Chemical Properties

CAS No.:	1161517-81-2
Formula:	C ₃₅ H ₄₁ N ₆ O ₅
Molecular Weight:	661.19
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	CYT-1010 hydrochloride is an mu-opioid receptor agonist extracted from patent WO2013173730A2. The EC50 for β -arrestin recruitment and cAMP production inhibition were 13.1 nM and 0.0053 nM, respectively.
Targets(IC ₅₀)	Others: None

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	1.512 mL	7.562 mL	15.124 mL
5 mM	0.302 mL	1.512 mL	3.025 mL
10 mM	0.151 mL	0.756 mL	1.512 mL
50 mM	0.03 mL	0.151 mL	0.302 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

- Theodore E. Maione, Novel therapeutic uses of mu-opiate receptor peptides. WO2013173730A2.

Inhibitors · Natural Compounds · Compound Libraries

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