

EST64454 hydrochloride

Chemical Properties

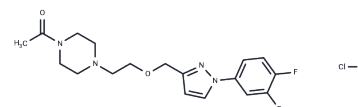
CAS No. : 1950569-11-5

Formula: C18H23ClF2N4O2

Molecular Weight: 400.85

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	EST64454 hydrochloride (EST64454) is a highly soluble $\sigma 1$ receptor antagonist (K_i : 22 nM),has the potential for Pain Management.
Targets(IC50)	Sigma receptor

Solubility Information

Solubility	DMSO: 20 mg/mL (49.89 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4947 mL	12.4735 mL	24.947 mL
5 mM	0.4989 mL	2.4947 mL	4.9894 mL
10 mM	0.2495 mL	1.2473 mL	2.4947 mL
50 mM	0.0499 mL	0.2495 mL	0.4989 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.

Reference

José Luis Díaz, Mónica García, Torrens A , et al. EST64454: a Highly Soluble σ 1 Receptor Antagonist Clinical Candidate for Pain Management[J]. Journal of Medicinal Chemistry, 2020, 63(23):14979-14988.

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