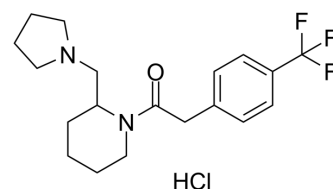


ZT 52656A hydrochloride

Cat. No.:	HY-101582
CAS No.:	115730-24-0
Molecular Formula:	C ₁₉ H ₂₆ ClF ₃ N ₂ O
Molecular Weight:	390.87
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 35.71 mg/mL (91.36 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5584 mL	12.7920 mL	25.5840 mL
		5 mM	0.5117 mL	2.5584 mL	5.1168 mL
		10 mM	0.2558 mL	1.2792 mL	2.5584 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.32 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.32 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.32 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ZT 52656A is a selective kappa opioid agonist, used for the prevention or alleviation of pain in the eye.
IC₅₀ & Target	kappa opioid receptor ^[1]
In Vitro	ZT 52656A is a selective kappa opioid agonist, used for the prevention or alleviation of pain in the eye ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Daniel A. Gamache. Topical use of κ opioid agonists to treat ocular pain. Patent US 6191126 B1.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA