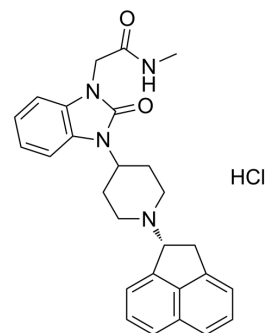


MT-7716 hydrochloride

Cat. No.:	HY-107094
CAS No.:	1215859-93-0
Molecular Formula:	C ₂₇ H ₂₉ ClN ₄ O ₂
Molecular Weight:	477
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 : 200 mg/mL (419.29 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.0964 mL	10.4822 mL	20.9644 mL
		5 mM	0.4193 mL	2.0964 mL	4.1929 mL
		10 mM	0.2096 mL	1.0482 mL	2.0964 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (10.48 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	MT-7716 hydrochloride (W-212393 hydrochloride) is a selective non-peptide nociceptin receptor (NOP) agonist and promising potential treatment drug for alcohol abuse and relapse prevention ^[1] .
IC₅₀ & Target	NOP Receptor/ORL1

REFERENCES

[1]. de Guglielmo G, et al, MT-7716, a potent NOP receptor agonist, preferentially reduces ethanol seeking and reinforcement in post-dependent rats. *Addict Biol.* 2015 Jul;20(4):643-51.

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

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