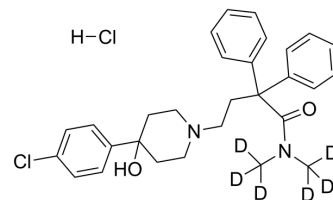


## Loperamide-d<sub>6</sub> hydrochloride

<b>Cat. No.:</b>	HY-B0418AS
<b>CAS No.:</b>	1189469-46-2
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>28</sub> D <sub>6</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	519.54
<b>Target:</b>	Opioid Receptor; Autophagy
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling; Autophagy
<b>Storage:</b>	-20°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 : 50 mg/mL (96.24 mM; Need ultrasonic)  
H<sub>2</sub>O : 1 mg/mL (1.92 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9248 mL	9.6239 mL	19.2478 mL
	5 mM	0.3850 mL	1.9248 mL	3.8496 mL
	10 mM	0.1925 mL	0.9624 mL	1.9248 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Loperamide-d<sub>6</sub> (hydrochloride) is a deuterium labeled Loperamide hydrochloride. Loperamide hydrochloride is an opioid receptor agonist for the treatment of diarrhea[1].

### REFERENCES

[1]. Hanauer, S.B., The role of loperamide in gastrointestinal disorders. Rev Gastroenterol Disord, 2008. 8(1): p. 15-20.

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

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