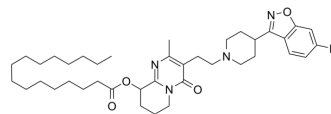


## Paliperidone palmitate

<b>Cat. No.:</b>	HY-A0019A
<b>CAS No.:</b>	199739-10-1
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>57</sub> FN <sub>4</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	664.89
<b>Target:</b>	Dopamine Receptor; 5-HT Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 2 mg/mL (3.01 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5040 mL	7.5200 mL	15.0401 mL
5 mM	---	---	---
10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Paliperidone palmitate (9-Hydroxyrisperidone palmitate), an atypical long-acting antipsychotic agent, is an ester prodrug of Paliperidone. Paliperidone is a dopamine antagonist and 5-HT<sub>2A</sub> antagonist of the atypical antipsychotic class. Paliperidone palmitate shows efficacy against schizophrenia<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

D<sub>2</sub> Receptor

5-HT<sub>2A</sub> Receptor

### REFERENCES

[1]. Kwon JS, et al. Satisfaction of immediate or delayed switch to paliperidone palmitate in patients unsatisfied with current oral atypical antipsychotics. *Int Clin Psychopharmacol.* 2015;30(6):320-328.

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

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