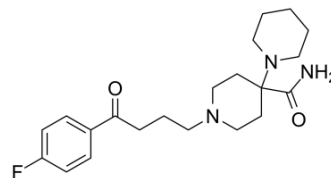


## Pipamperone

Cat. No.:	HY-100703
CAS No.:	1893-33-0
Molecular Formula:	C <sub>21</sub> H <sub>30</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	375.48
Target:	5-HT Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light, stored under argon * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under argon)



### SOLVENT & SOLUBILITY

#### In Vitro

0.1 M HCL : 25 mg/mL (66.58 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6633 mL	13.3163 mL	26.6326 mL
	5 mM	0.5327 mL	2.6633 mL	5.3265 mL
	10 mM	0.2663 mL	1.3316 mL	2.6633 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Pipamperone (Floropipamide; McN-JR 3345; R 3345) is a high-affinity antagonist of 5-HT<sub>2A</sub> receptor (pK<sub>i</sub>=8.2) and D<sub>4</sub> receptor (pK<sub>i</sub>=8.0) and a low-affinity antagonist of D<sub>2</sub> receptor (pK<sub>i</sub>=6.7)<sup>[1]</sup>.

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

5-HT <sub>2A</sub> Receptor 8.2 (pKi)	5-HT <sub>2C</sub> Receptor 6.9 (pKi)	5-HT <sub>1</sub> Receptor 5.7 (pKi)	D <sub>4</sub> receptor 8.0 (pKi)
D <sub>2</sub> receptor 6.7 (pKi)	α <sub>1</sub> receptor 7.2 (pKi)		

### REFERENCES

[1]. Erik Buntinx, MD, et al. Selective Serotonergic Properties of Low-Dose Pipamperone May Enhance Antidepressant Effect: Preclinical Evidence.

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

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