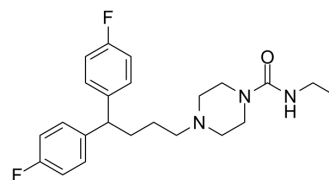


Amperozide

Cat. No.:	HY-121301
CAS No.:	75558-90-6
Molecular Formula:	C ₂₃ H ₂₉ F ₂ N ₃ O
Molecular Weight:	401.49
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (311.34 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4907 mL	12.4536 mL	24.9072 mL
	5 mM	0.4981 mL	2.4907 mL	4.9814 mL
	10 mM	0.2491 mL	1.2454 mL	2.4907 mL

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

BIOLOGICAL ACTIVITY

Description

Amperozide is an atypical antipsychotic that acts as an antagonist of the 5-HT₂ receptor with a K_i value of 26 nM. Amperozide has a low affinity for D₂ receptors^[1].

IC₅₀ & Target

5-HT_{2A} Receptor
26 nM (K_i)

REFERENCES

[1]. Meltzer HY, et al. Effect of amperozide on rat cortical 5-HT₂ and striatal and limbic dopamine D₂ receptor occupancy: implications for antipsychotic action. Eur J Pharmacol. 1992 May 27;216(1):67-71.

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

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