Pirenperone

Cat. No.: HY-B1737

CAS No.: 75444-65-4

Molecular Formula: $C_{23}H_{24}FN_3O_2$

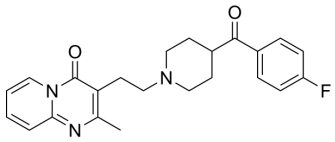
Molecular Weight: 393.45

Target: 5-HT Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (63.54 mM; ultrasonic and warming and heat to 60°C)

0.1 M HCL : 16.67 mg/mL (42.37 mM; ultrasonic and warming and adjust pH to 3 with 0.1 M HCL and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.5416 mL	12.7081 mL	25.4162 mL
5 mM	0.5083 mL	2.5416 mL	5.0832 mL
10 mM	0.2542 mL	1.2708 mL	2.5416 mL

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

BIOLOGICAL ACTIVITY

Description

Pirenperone (R 47465) is a 5-HT_2 serotonin receptor antagonist. Pirenperone exhibits modest anxiolytic activity[1][2].

REFERENCES

[1]. Krstić MK, et, al. Divergent effects of pirenperone, a 5-HT2 antagonist, on the pressor and tachycardic responses to 5-HT in guinea-pigs. Arch Int Physiol Biochim. 1983 Nov;91(4):345-9.

[2]. Ansseau M, et, al. Pilot study of a specific serotonergic antagonist, pirenperone, in the treatment of anxiety disorders. Acta Psychiatr Belg. Sep-Oct 1983;83(5):517-24.

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

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