(S)-Renzapride

Cat. No.: HY-14147A

Molecular Formula: $C_{16}H_{22}ClN_3O_2$

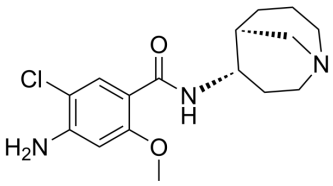
Molecular Weight: 323.82

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 : 35 mg/mL (108.08 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.0881 mL	15.4407 mL	30.8814 mL
5 mM	0.6176 mL	3.0881 mL	6.1763 mL
10 mM	0.3088 mL	1.5441 mL	3.0881 mL

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

BIOLOGICAL ACTIVITY

Description

(S)-Renzapride ((S)-BRL 24924) is the isomer of HY-14147 Renzapride. Renzapride is a 5-HT_4 receptor agonist with a K_i value of 115 nM. Renzapride also is a 5HT2b and 5HT3 receptor antagonist. Renzapride can be used for constipation predominant irritable bowel syndrome (C-IBS) study[1][2].

REFERENCES

[1]. Camilleri M, et al. Effect of renzapride on transit in constipation-predominant irritable bowel syndrome. Clin Gastroenterol Hepatol. 2004;2(10):895-904.

[2]. Scarpellini E, et al. Renzapride: a new drug for the treatment of constipation in the irritable bowel syndrome. Expert Opin Investig Drugs. 2008;17(11):1663-1670.

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

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