产品名称：**S80499**

产品别名：马来酸替加色罗；**Tegaserod maleate**

生物活性：

Description

Tegaserod maleate is a partial agonist of the 5-HT4 receptor; stimulates the peristaltic reflex and accelerates gastrointestinal transit. IC50 value: Target: 5-HT4 agonist In an in vivo model for peripheral nerve regeneration, mice receiving tegaserod at the site of injury showed enhanced recovery compared to control mice receiving vehicle control as evidenced by functional measurements and histology [1]. Treatment with fluoxetine (10 mg · kg(-1) · day(-1), days 36-42), tegaserod (1 mg · kg(-1) · day(-1), day 43), or the combination of both, reduced visceral hypersensitivity and plasma 5-HT levels [2]. Intravenous or intraduodenal tegaserod (0.3-1.0 mg.kg(-1)) had no inhibitory effect on mesenteric and colonic blood flow. Peroral treatment of rats with alosetron or tegaserod for 7 days did not modify mesenteric haemodynamics at baseline and after blockade of nitric oxide synthesis [3].

Solvent&Solubility

In Vitro:

DMSO： ≥ 35 mg/mL (83.84 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3954 mL	11.9772 mL	23.9544 mL
	5 mM	0.4791 mL	2.3954 mL	4.7909 mL
	10 mM	0.2395 mL	1.1977 mL	2.3954 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Bushman J, et al. Tegaserod mimics the neurostimulatory glycan polysialic acid and promotes nervous system repair. Neuropharmacology. 2014 Apr;79:456-66.

[2]. Yan C, et al. Effect of the 5-HT4 receptor and serotonin transporter on visceral hypersensitivity in rats. Braz J Med Biol Res. 2012 Oct;45(10):948-54.

[3]. Painsipp E, et al. Alosetron, cilansetron and tegaserod modify mesenteric but not colonic blood flow in rats. Br J Pharmacol. 2009 Nov;158(5):1210-26.