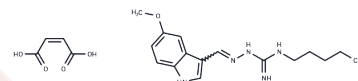


## Tegaserod maleate

## Chemical Properties

CAS No. :	189188-57-6
Formula:	C <sub>20</sub> H <sub>27</sub> N <sub>5</sub> O <sub>5</sub>
Molecular Weight:	417.46
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Tegaserod maleate (SDZ-HTF-919) is a 5-HT <sub>4</sub> agonist manufactured by Novartis for managing irritable bowel syndrome and constipation. It was the only drug approved by the United States Food and Drug Administration for relieving abdominal discomfort, bloating, and constipation associated with irritable bowel syndrome. On March 30, 2007, the FDA requested that Novartis withdraw Zelnorm from the market due to alleged increased risks of heart attack or stroke associated with its use.
Targets(IC50)	Apoptosis,5-HT Receptor

## Solubility Information

Solubility	DMSO: 125 mg/mL (299.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% (20% SBE-β-CD in Saline): < 10 mg/mL (23.95 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (23.95 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn oil: 10 mg/mL (23.95 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (23.95 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0479 mL	0.2395 mL	0.4791 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Beattie DT, et al. Br J Pharmacol. 2004 Nov;143(5):549-60.

Sun L, Sun L, Li X, et al. A Novel Tigecycline Adjuvant ML-7 Reverses the Susceptibility of Tigecycline-Resistant *Klebsiella pneumoniae*. *Frontiers in cellular and infection microbiology*. 2022: 1341.

Zhang L, Song Q, Zhang X, et al. Zelnorm, an agonist of 5-Hydroxytryptamine 4-receptor, acts as a potential antitumor drug by targeting JAK/STAT3 signaling[J]. *Investigational New Drugs*. 2019 May 14: 1-10.

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