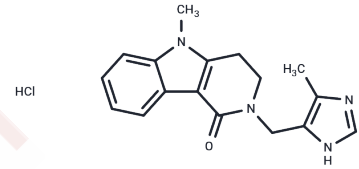


## Alosetron hydrochloride

### Chemical Properties

CAS No. :	122852-69-1
Formula:	C <sub>17</sub> H <sub>19</sub> ClN <sub>4</sub> O
Molecular Weight:	330.81
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Alosetron hydrochloride (GR 68755) is the hydrochloride salt form of alosetron, a potent and selective 5-HT <sub>3</sub> receptor antagonist. Alosetron blocks the actions of serotonin at 5-HT <sub>3</sub> sites in the peripheral nervous system, particularly on enteric and nociceptive sensory neurons, thereby affecting the regulation of visceral pain, decreasing gastrointestinal contraction and motility, and decreasing gastrointestinal secretions.
Targets(IC50)	5-HT Receptor

### Solubility Information

Solubility	DMSO: 8.57 mg/mL (25.91 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0229 mL	15.1144 mL	30.2288 mL
5 mM	0.6046 mL	3.0229 mL	6.0458 mL
10 mM	0.3023 mL	1.5114 mL	3.0229 mL
50 mM	0.0605 mL	0.3023 mL	0.6046 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

Spiller, Robin C. From Current Opinion in Pharmacology (2011), 11(1), 68-74.

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