## **Ramosetron Hydrochloride**

Cat. No.:	HY-B0595			
CAS No.:	132907-72-3			
Molecular Formula:	C <sub>17</sub> H <sub>18</sub> ClN <sub>3</sub> O			
Molecular Weight:	315.8			
Target:	5-HT Receptor	N N		
Pathway:	GPCR/G Protein; Neuronal Signaling			
Storage:	4°C, sealed storage, away from moisture			
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)			

## SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 100 mg/mL (316.66 mM; Need ultrasonic) DMSO : 32 mg/mL (101.33 mM; Need ultrasonic and warming)					
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg	
		1 mM	3.1666 mL	15.8328 mL	31.6656 mL	
		5 mM	0.6333 mL	3.1666 mL	6.3331 mL	
		10 mM	0.3167 mL	1.5833 mL	3.1666 mL	
	Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 25 mg/mL (79.16 mM); Clear solution; Need ultrasonic and warming and heat to 60°C					

BIOLOGICALIACTIV				
Description	Ramosetron Hydrochloride(YM060 Hydrochloride) is a serotonin 5-HT3 receptor antagonist for the treatment of nausea and vomiting.Target: 5-HT3 ReceptorRamosetron hydrochloride selectively blocks serotonin receptors (5-HT3). Serotonin plays a vital role in vomiting, serotonin-induced bradycardic reflex and peristalsis. The pharmacological action of Ramosetron hydrochloride hydrochloride is sustained and potent.			
IC <sub>50</sub> & Target	5-HT <sub>3</sub> Receptor			

## REFERENCES

[1]. http://www.drugsupdate.com/generic/view/1111

**Product** Data Sheet



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

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