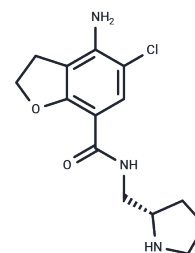


## ADR-851 free base

## Chemical Properties

CAS No. :	138559-56-5
Formula:	C <sub>14</sub> H <sub>18</sub> ClN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	295.77
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ADR-851 free base (ADR 851 free base) is a 5-HT <sub>3</sub> receptor antagonist and a novel antiemetic with analgesic activity.
Targets(IC <sub>50</sub> )	5-HT Receptor, Dopamine Receptor
In vivo	Male Sprague-Dawley rats were injected intraperitoneally with ADR-851 (0.1-10 mg/kg), and the ADR-851 isoforms were not analgesic in either the thermal or mechanical tests; ADR-851R produced significant analgesia in the formalin test at doses of 3 mg/kg and 10 mg/kg.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.381 mL	16.905 mL	33.8101 mL
5 mM	0.6762 mL	3.381 mL	6.762 mL
10 mM	0.3381 mL	1.6905 mL	3.381 mL
50 mM	0.0676 mL	0.3381 mL	0.6762 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

Sufka KJ, et al.. Analgesic effects of S and R isomers of the novel 5-HT<sub>3</sub> receptor antagonists ADR-851 and ADR-882 in rats. Eur J Pharmacol. 1991 Oct 29;204(1):117-9.

Rossi DT, et al. Quantitation of a novel antiemetic (ADR-851) in plasma and urine by reversed-phase high-performance liquid chromatography with fluorescence detection. J Chromatogr. 1991 May 3;566(1):257-65. .

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