

## Ranitidine-D6 hydrochloride

### Chemical Properties

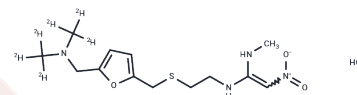
CAS No. : 1185238-09-8

Formula: C<sub>13</sub>H<sub>23</sub>ClN<sub>4</sub>O<sub>3</sub>S

Molecular Weight: 356.902

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	Ranitidine-D6 hydrochloride is a deuterated compound of Ranitidine Hydrochloride (T0865). Ranitidine hydrochloride has a CAS number of 66357-59-3. Ranitidine Hydrochloride is a member of the class of histamine H <sub>2</sub> -receptor antagonists with antacid activity. Ranitidine is a competitive and reversible inhibitor of the action of histamine, released by enterochromaffin-like (ECL) cells, at the histamine H <sub>2</sub> -receptors on parietal cells in the stomach, thereby inhibiting the normal and meal-stimulated secretion of stomach acid. In addition, other substances that promote acid secretion have a reduced effect on parietal cells when the H <sub>2</sub> receptors are blocked.
Targets(IC <sub>50</sub> )	Antibacterial, Histamine Receptor, Cytochromes P450

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8019 mL	14.0095 mL	28.0191 mL
5 mM	0.5604 mL	2.8019 mL	5.6038 mL
10 mM	0.2802 mL	1.401 mL	2.8019 mL
50 mM	0.056 mL	0.2802 mL	0.5604 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.

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