

# Ranitidine (hydrochloride)

Catalog No: tcsc2293



## Available Sizes

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

66357-59-3

**Formula:**

$C_{13}H_{23}ClN_4O_3S$

**Pathway:**

Immunology/Inflammation;GPCR/G Protein

**Target:**

Histamine Receptor;Histamine Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

350.86

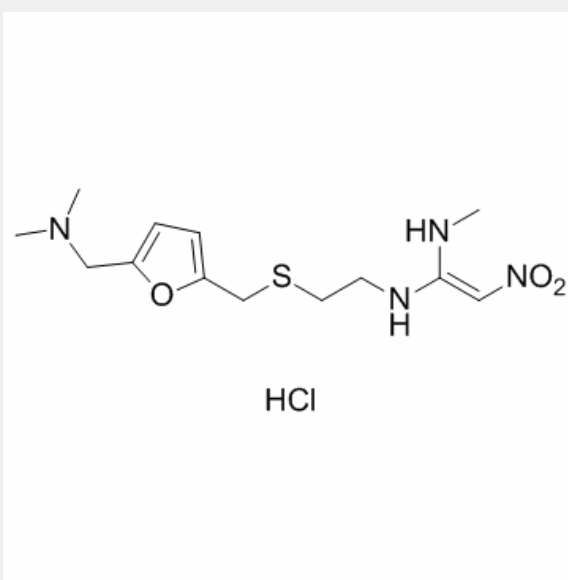
## Product Description

Ranitidine is a histamine H2-receptor antagonist that inhibits stomach acid production.

Target: Histamine H2-Receptor

Ranitidine (Zantac) is a histamine H2-receptor antagonist with IC50 of  $3.3 \pm 1.4$   $\mu$ M. It inhibits stomach acid production. It is also used alongside fexofenadine and other antihistamines for the treatment of skin conditions such as hives. It has 10% the affinity that

cimetidine has to CYP450 so it causes fewer side effects, but other H2 blockers famotidine and nizatidine have no CYP450 significant interactions [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!