

# Hydrochlorothiazide

Catalog No: tcsc2232



## Available Sizes

Size: 5g

Size: 10g



## Specifications

**CAS No:**

58-93-5

**Formula:**

$C_7H_8ClN_3O_4S_2$

**Pathway:**

Stem Cell/Wnt;TGF-beta/Smad

**Target:**

TGF-beta/Smad;TGF-beta/Smad

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 50 mg/mL (167.93 mM; Need ultrasonic)

**Alternative Names:**

HCTZ

**Observed Molecular Weight:**

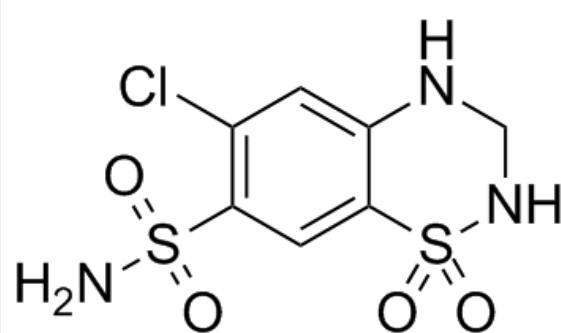
297.74

## Product Description

Hydrochlorothiazide is a diuretic drug of the thiazide class.

Target: Others

Hydrochlorothiazide belongs to thiazide class of diuretics. It reduces blood volume by acting on the kidneys to reduce sodium (Na) reabsorption in the distal convoluted tubule. The major site of action in the nephron appears on an electroneutral Na<sup>+</sup>-Cl co-transporter by competing for the chloride site on the transporter. By impairing Na transport in the distal convoluted tubule, hydrochlorothiazide induces a natriuresis and concomitant water loss. Thiazides increase the reabsorption of calcium in this segment in a manner unrelated to sodium transport. Additionally, by other mechanisms, Hydrochlorothiazide is believed to lower peripheral vascular resistance [1].



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