

## Trichlormethiazide

Catalog No: #S0114

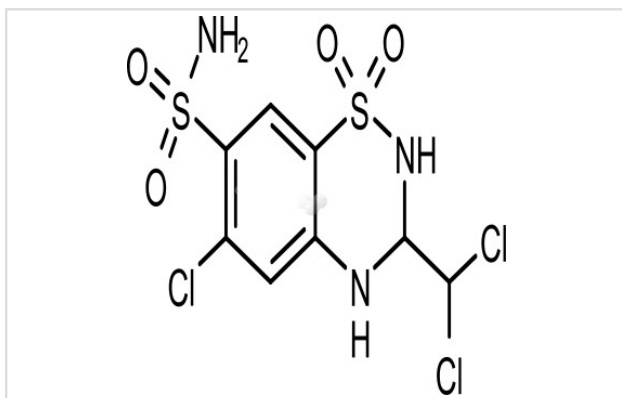
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## Description

Product Name	Trichlormethiazide
Brief Description	Inhibitors
Purification	99.00%
Target Name	ATPase inhibitor; Carbonic Anhydrase inhibitor
Calculated MW	380.66
Formulation	C <sub>8</sub> H <sub>8</sub> Cl <sub>3</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Images



## Product Description

Research Area: Cardiovascular System  
 SMILES: NS(=O)(=O)C1=C(Cl)C=C2NC(NS(=O)(=O)C2=C1)C(Cl)Cl  
 Pathways: Membrane transporter/Ion channel; Metabolism  
 Receptor: Na<sup>+</sup>/K<sup>+</sup>-ATPase; Carbonic anhydrase  
 Boiling pt: 631.3°C  
 Melting pt: 248-250°C  
 Solubility: DMSO: 54 mg/mL (141.85 mM)  
 Appearance: White Powder  
 Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several month.

## References

1. Temperini C, et al. Bioorg Med Chem. 2009 Feb 1;17(3):1214-21.

Note: This product is for in vitro research use only