

## Diltiazem hydrochloride

Catalog No: #S0112

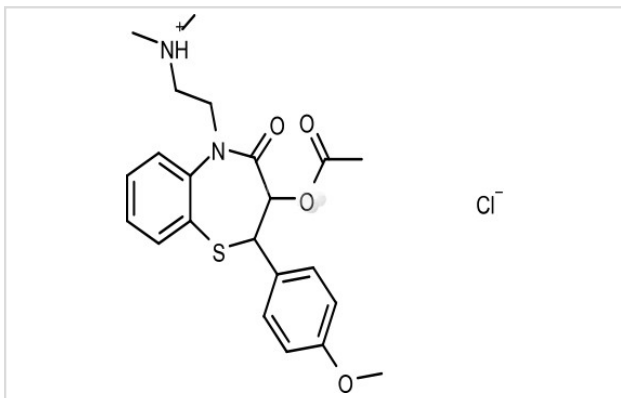
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## Description

Product Name	Diltiazem hydrochloride
Brief Description	Inhibitors
Purification	99.65%
Target Name	Calcium Channel inhibitor
Calculated MW	450.98
Formulation	C22H27ClN2O4S
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Images



## Product Description

Research Area: Cardiovascular

System SMILES: CC(=O)O[C@@H]1[C@@H](SC2=CC=CC=C2N(C1=O)CCN(C)C)C3=CC=C(C=C3)OC.  
 Pathways: Membrane transporter/Ion channel  
 Receptor: Calcium Channel  
 Boiling pt: 94.4°C  
 Melting pt: 212-214°C  
 Solubility: Ethanol: 4 mg/mL (8.86 mM); Water: 90 mg/mL (199.56 mM); DMSO: 90 mg/mL (199.56 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 months.

## References

1. Budriesi R, et al. Mini Rev Med Chem. 2009 Oct; 9(12):1379-88.

Note: This product is for in vitro research use only