

## Sematilide (CK-1752)

Catalog No: #S3574

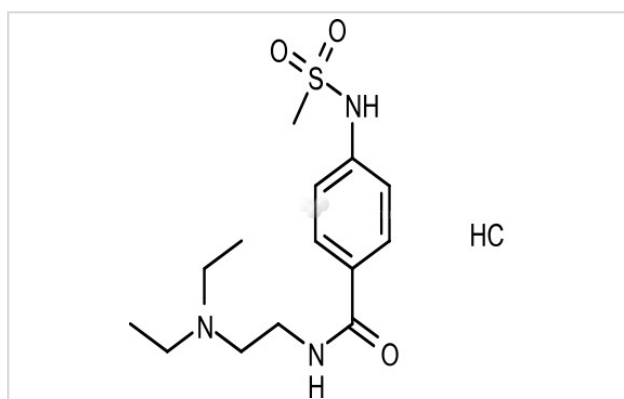
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## Description

Product Name	Sematilide (CK-1752)
Brief Description	Inhibitors
Purification	98.00%
Target Name	Others inhibitor
Calculated MW	349.874
Formulation	C <sub>14</sub> H <sub>24</sub> CIN <sub>3</sub> O <sub>3</sub> S
Storage	3 years -20°C powder; 2 years -80°C in solvent;

## Images



## Product Description

Research Area: cardiovascular system  
 SMILES: CCN(CC)CCNC(=O)C1=CC=C(C=C1)NS(=O)(=O)C  
 Pathways: Others  
 Receptor: K<sup>+</sup> current (IKr) channel  
 Boiling pt: Melting pt: Solubility: Soluble in DMSO  
 Appearance: 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. Yoshida H, et al. Comparison of the in vivo electrophysiological and proarrhythmic effects of amiodarone with those of a selective class III drug, sematilide, using a canine chronic atrioventricular block model. *Circ J.* 2002 Aug;66(8):758-62.

Note: This product is for in vitro research use only