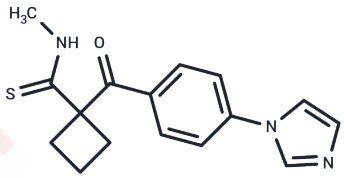
# Data Sheet (Cat.No.T24435)

TargetMol

MCC-134

## Chemical Properties



CAS No. : 181238-67-5

Formula: C16H17N3OS

Molecular Weight: 299.39

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

## Biological Description

| | |
|---|---|
| Description | MCC-134 is an inverse agonist for the pancreatic-type ATP-sensitive K(+) channel. It also used as a vascular relaxing agent. |
| Targets(IC50) | Others,Potassium Channel |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.3401 mL | 16.7006 mL | 33.4012 mL |
| 5 mM | 0.668 mL | 3.3401 mL | 6.6802 mL |
| 10 mM | 0.334 mL | 1.6701 mL | 3.3401 mL |
| 50 mM | 0.0668 mL | 0.334 mL | 0.668 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yamamoto T, Takahara K, Inai T, Node K, Teramoto N. Molecular analysis of ATP-sensitive K(+) channel subunits expressed in mouse portal vein. Vascul Pharmacol. 2015 Dec;75:29-39. doi: 10.1016/j.vph.2015.06.018. Epub 2015 Jul 8. PubMed PMID: 26163942.

Iwasa K, Zhu HL, Shibata A, Maehara Y, Teramoto N. Molecular analysis of ATP-sensitive $K^+$ channel subunits expressed in mouse vas deferens myocytes. Br J Pharmacol. 2014 Jan;171(1):145-57. doi: 10.1111/bph.12437. PubMed PMID: 24117345; PubMed Central PMCID: PMC3874703.

Naryzhnaia NV, Neckar J, Maslov LN, Lishmanov IuB, Kolar F, Lasukova TV. [The role of sarcolemmal and mitochondrial K(ATP)-channels in realization of the cardioprotection and antiarrhythmic effect of different regimens of hypobaric adaptation]. Ross Fiziol Zh Im I M Sechenova. 2009 Aug;95(8):837-49. Russian. PubMed PMID: 19803213.

Kolar F, Nekar J, Ostadal B, Maslov LN, Stakheev DL, Tayurskaya AS, Lishmanov YB. Role of ATP-sensitive K(+)-channels in antiarrhythmic and cardioprotective action of adaptation to intermittent hypobaric hypoxia. Bull Exp Biol Med. 2008 Apr;145(4):418-21. PubMed PMID: 19110582.