

Betaine hydrochloride

Catalog No: #S0019

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Description

Product Name	Betaine hydrochloride
Brief Description	Inhibitors
Purification	99.53%
Target Name	Chloride channel inhibitor; Others
Calculated MW	153.61
Formulation	C5H12ClNO2
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Product Description

Research Area: Other
SMILES: Cl.C[N+](C)(C)CC(O)=O
Pathways: Membrane transporter/Ion channel; Others
Receptor: Glycine betaine-binding periplasmic protein; Circadian clock protein KaiB
Boiling pt: Melting pt: 241-242°C
Solubility: Soluble in DMSO
Appearance: Transparent Crystal
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. Lee I. *Biochem Biophys Res Commun.* 2015 Jan 9;456(2):621-5.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.