

Phenformin hydrochloride

Catalog No: #S1453

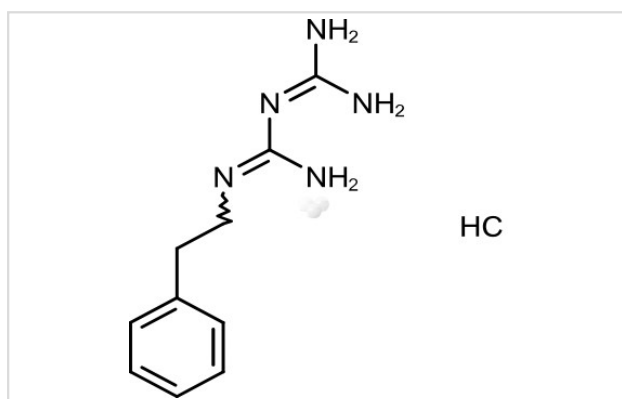
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Description

Product Name	Phenformin hydrochloride
Brief Description	Inhibitors
Purification	99.15%
Target Name	AMPK activator; Potassium Channel inhibitor
Calculated MW	241.72
Formulation	C10H16ClN5
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Images



Product Description

Research Area: Metabolism system
 SMILES: Cl.NC(N)=NC(N)=NCCC1=CC=CC=C1
 Pathways: Membrane transporter/Ion channel; PI3K/Akt/mTOR signaling
 Receptor: AMPK; Potassium Channel
 Boiling pt: Melting pt: 175-178°C
 Solubility: Ethanol: 12 mg/mL (49.64 mM); Water: 48 mg/mL (198.57 mM); DMSO: 48 mg/mL (198.57 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. Sakamoto K, et al. Am J Physiol Endocrinol Metab, 2004, 287(2), E310-317.

Note: This product is for in vitro research use only