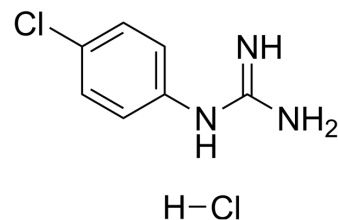


4-Chlorophenylguanidine hydrochloride

Cat. No.:	HY-100939
CAS No.:	14279-91-5
Molecular Formula:	C ₇ H ₉ Cl ₂ N ₃
Molecular Weight:	206.07
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (606.59 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8527 mL	24.2636 mL	48.5272 mL
	5 mM	0.9705 mL	4.8527 mL	9.7054 mL
	10 mM	0.4853 mL	2.4264 mL	4.8527 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Chlorophenylguanidine hydrochloride is a potent ASIC3 positive allosteric modulator and reverses the effects of ASIC3 desensitization. 4-Chlorophenylguanidine hydrochloride influences ASIC3 activity through directly activating the channel and increasing proton sensitivity. 4-Chlorophenylguanidine hydrochloride offers a chemical backbone for the design of new ASIC3 ligands to study ASIC3 in vivo^[1].

REFERENCES

[1]. Amruta S Agharkar, et al. 4-Chlorophenylguanidine is an ASIC3 agonist and positive allosteric modulator. J Pharmacol Sci. 2017 Mar;133(3):184-186.

Caution: Product has not been fully validated for medical applications. For research use only.

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