CD BioGlyco
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Product Information

Aminoguanidine hydrochloride, Purity ≥98%

Cat. No.: X24-09-YM1412

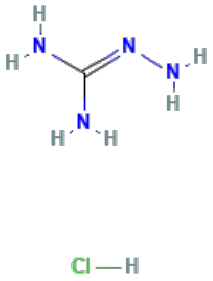
Size: 100 mg; 200 mg; 500 mg; 1 g

MDL: MFCD00039074

CAS Number: 1937-19-5

Compound CID: 2734687

Synonym: 1937-19-5; Pimagedine hydrochloride; GER-11; Aminoguanidinium chloride; 2-Aminoguanidine; hydrochloride



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Aminoguanidine hydrochloride, soluble in DMSO and water and insoluble in ethanol, is a diamine oxidase and nitric oxide synthase inhibitor. The molecular weight of the compound is 110.55, and its molecular formula is $CH_6N_4 \cdot HCl$.
Molecular Weight	110.55
Molecular Formula	$CH_6N_4 \cdot HCl$
IUPAC Name	2-Aminoguanidine;hydrochloride
InChI	InChI=1S/CH6N4.ClH/c2-1(3)5-4;/h4H2,(H4,2,3,5);1H
InChI Key	UBDZFAGVPPMTIT-UHFFFAOYSA-N
Canonical SMILES	C(=NN)(N)N.Cl
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	*In vitro*: DMSO (warmed): 21 mg/mL (189.95 mM); Water: 21 mg/mL (189.95 mM); Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Aminoguanidine hydrochloride can be studied extensively for its potential therapeutic applications in the treatment of diabetic complications and neurodegenerative disorders.
Storage	Store at -20ºC, and keep desiccated.

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