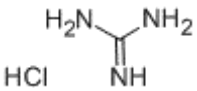


MSDS



Guanidine hydrochloride Basic information

description Protein Denaturation Uses Drug intermediates Preparation Reference quality standards References

Product Name:	Guanidine hydrochloride
Synonyms:	guanidine, monohydrochloride; guanidine chloride; Guanidine monohydrochloride; guanidinium hydrochloride; AMINOFORMAMIDINE HCL; AMINOFORMAMIDINE HYDROCHLORIDE; AMINOMETHANAMIDINE HCL; AMINOMETHANAMIDINE HYDROCHLORIDE
CAS:	50-01-1
MF:	CH6ClN3
MW:	95.53
EINECS:	200-002-3
Product Categories:	protein mod; Inhibitors; Pharmaceutical Intermediates; Miscellaneous Biochemicals; Disinfectants; Test Reagents
Mol File:	50-01-1.mol
	

Guanidine hydrochloride Chemical Properties

Melting point	180-185 °C (lit.)
density	1.18 g/mL at 25 °C (lit.)
refractive index	$n_{20/D}$ 1.465
storage temp.	Store at RT.
solubility	H ₂ O: 6 M, clear, colorless
form	Crystals
color	White to slightly yellow
Odor	Odorless
PH	4.5-5.5 (100g/l, H ₂ O, 20°C)
PH Range	4.5 - 6.0 at 573 g/l at 25 °C
Water Solubility	2280 g/L (20 °C)
λ_{max}	λ : 260 nm A_{max} : 0.040 λ : 280 nm A_{max} : 0.025
Sensitive	Hygroscopic
Merck	14,4562
BRN	3591990
Stability:	Stable. Hygroscopic. Incompatible with strong oxidizing agents.