Guanidine hydrochloride

Product Introduction



Guanidine hydrochloride, chemically known as carbamimidamide hydrochloride, appears as white to slightly yellowish lumps.
Primary uses:
1. It serves primarily as a pharmaceutical intermediate and is an essential raw material for the production of sulfadiazine, sulfamerazine, sulfamethazine, and folic acid.
2. It can be used as an intermediate in the synthesis of pharmaceuticals, pesticides, dyes, and other organic compounds.
3. Guanidine hydrochloride acts as a potent ionic protein denaturant.
4. It can also be employed in the initial folding of active proteins or enzymes, and serves as a powerful denaturing agent in procedures for extracting total cellular RNA.

◆ Molecular Formula: CH5N3.ClH	◆ Molecular weight:95.53	◆ Standard:Enterprise standard
◆ CAS No.:50-01-1	◆ EINECS No.:200-002-3	

Product Properties

Guanidine hydrochloride appears as white to pale yellow lumps and is nearly insoluble in acetone, benzene, and diethyl ether. It is relatively stable but hygroscopic. It is incompatible with strong oxidizing agents.

Packaging and Storage

Item	Specifications
Appearance	White crystal
Content	≥99.5%
Water content	≤0.3%
Ash	≤0.05%
Water-insoluble matter	≤0.1%
NH4CL	≤0.05%
Melting point	182-188℃
A (260nm)6M in water M.P	≤0.04
A (280nm)6M in water M.P	≤0.02
PH (6M in water)	4.5-6

Packaging and Storage

It is usually packed in 25Kg/fiber drum.
Stored in cool, dry, ventilated place keep the container sealed.

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盐酸胍

产品简介



盐酸胍，化学名氨基甲脒盐酸盐，是白色或微黄色块状物。
主要用途：
1，主要用作药物的中间体，是制造磺胺嘧啶、磺胺甲基嘧啶、磺胺二甲基嘧啶和叶酸的重要原料
2，可用作医药、农药、染料及其他有机合成中间体
3，盐酸胍是一种强的离子型蛋白质变性剂。作为蛋白质变性 剂
4，也可用于活性蛋白或酶的初始折 叠；作为提取细胞总 RNA 实验中的强烈变性剂

◆ 分子式：CH5N3.ClH	◆ 分子量：95.53	◆ 执行标准：企业标准
◆ CAS号：50-01-1	◆ EINECS号：200-002-3	◆

产品特征

盐酸胍，是白色或微黄色块状物，几乎不溶于丙酮、苯和乙醚。比较稳定。吸湿性。与强氧化剂不相容。

技术指标

项目	指标
外观	White crystal
含量	≥99.5%
水份	≤0.3%
灰分	≤0.05%
水不溶物	≤0.1%
铵盐 NH4CL	≤0.05%
熔点	182-188℃
吸光度（紫外线波长260nm）6M水溶液	≤0.04
吸光度（紫外线波长280nm）6M水溶液	≤0.02
PH 值 （6.0M 水溶液	4.5-6

包装与储存

盐酸胍采用25KG/纸板桶包装。
须存储于阴凉、干燥、通风处，保持容器封闭。

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