AMINOGUANIDINE BICARBONATE

Cas Number: 2582-30-1

Other Names: Aminogunanidine bicarbonate, Aminoguanidine hydrogen carbonate, Guanylhydrazine hydrogencarbonate

Formula: $C_2H_8N_4O_3$

PRODUCT INTRODUCTION

Aminoguanidine bicarbonate has chemical structure $H_2NC(=NH)NHNH_2 \cdot H_2CO_3$. It appears as white crystalline powder. Hygroscopic in nature.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or red crystalline powder.
Content (%)	99.19
Insoluble Substances (%)	0.022
Water (%)	0.17
Ignition Residues (%)	0.04
Iron Content (%)	6
Chloride (%)	0.005
Sulfate	0.004

APPLICATIONS

- Aminoguanidine is used as an intermediate for the synthesis of pharmaceuticals, agrochemicals, dyestuffs and other organic derivatives (photochemicals, explosives).
- Aminoguanidine Bicarbonate is used in the purification of acrylic acid to remove aldehydes.
- Aminoguanidine bicarbonate protects the cells infected with adenovirus from chromosomal damage.
- Aminoguanidine is a specific and highly effective inhibitor of diamine oxidase present in fetal calf serum.
- It is also used as a selective inhibitor of inducible nitric oxide synthase in biochemistry.

PACKAGING OPTIONS

Drums

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