

# Guanidinium hydrochloride (GUHCl) 4x crystallized.

**Product Number:**1029

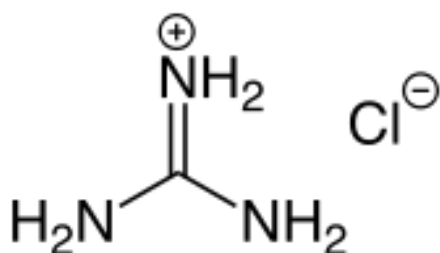
**CAS Number:** [50-01-1]

**Storage Condition:** in a dry place at room temperature

## Description

Guanidinium chloride is a strong chaotropic compound with a high solubility in water (6 M, 50 % w/w, in H<sub>2</sub>O).

**Structural formula Guanidinium hydrochloride:**



## Specification

Molecular weight 95.53 g/mol

Molecular formula CH<sub>6</sub>ClN<sub>3</sub> (Hill Notation)

Density 1.354 g/cm<sup>3</sup> at 20 °C

Melting point 182.3 °C

Solubility in water 2.15 g/ml at 20 °C

Colorless crystals

## Application

Guanidinium chloride is a very strong denaturant used in physiochemical studies of protein folding. It also can decrease enzyme activity and increase the solubility of hydrophobic molecules. It is a RNase inhibitor for mRNA isolation from mammalian cells.

## Remarks

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## Quality

For Molecular Biology

## Offering Sizes

Available in 250 g, 1 kg, and 2.5 kg per packaging.