

ChemiPURE Guanidine Thiocyanate

100 gr, 500 gr

Cat No: GT01, GT05

Shipping : Ship at ambient temperature.

Storage : Store at room temperature (15–25°C) in a tightly closed container.

General Information

ChemiPURE Guanidine Thiocyanate is a versatile chemical compound widely used in molecular biology and biochemical research. As a chaotropic agent, it disrupts cell and organelle membranes, facilitating cell lysis and organelle isolation.

ChemiPURE Guanidine Thiocyanate also acts as a potent protein denaturant and is described as more effective than guanidine hydrochloride for protein unfolding. This property supports its use in nucleic acid purification from crude cell lysates by enabling separation of nucleic acids from denatured proteins.

Applications

- Cell and organelle membrane disruption and lysis
- Organelle isolation workflows
- Protein denaturation and unfolding
- Nucleic acid purification from crude cell lysates
- Molecular biology and biochemical research applications

This product is sold for laboratory research use only.

CAS Number: 593-84-0

Molecular Weight: 118.16

Molecular Formula: CH₅N₃.HSCN

Purity: ≥99%

Appearance: White to off-white

Solubility: Water

Storage Temperature: Room Temperature