

## Product Datasheet

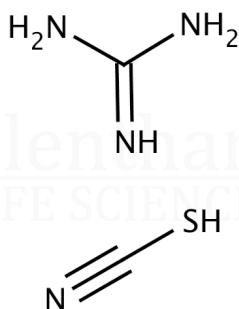
### GE1694 - Guanidine thiocyanate

#### Product Details

Product Name	Guanidine thiocyanate
Glentham Code	GE1694
CAS Number	593-84-0
EINECS	209-812-1
MDL Number	MFCD00013027
PubChem SID	310274365
Additional CAS	113-00-8
Related Categories	Biochemicals, Nucleosides & Nucleotides, Raw Materials (IVD), Thiocyanates, Reagents for PCR, Reagents for Northern and Southern Blotting, COVID-19 Research & Diagnostics

#### Structure

Molecular Weight	: 118.16
Molecular Formula	: $\text{CH}_5\text{N}_3\text{HSCN}$



CLP Classification	Acute Tox. 4, Aquatic Chronic 3, Skin Corr. 1C, Acute Tox. 4, Acute Tox. 4
Signal Word	Danger
Hazard Codes	H312, H412, H314, H332, H302
Precautionary Codes	P273, P280, P305+P351+P338, P310, P261, P301+P312
EUH Codes	EUH032, EUH071, EUH032
Pictograms	

#### Glentham Product Specification

Physical Description	: Colourless crystals or white crystalline powder
Solubility (20% in water)	: Clear, colourless solution
Melting Point	: 117.0 - 123.0 °C
Assay	: ≥ 99.5%
Version	: v1.2

#### About Guanidine thiocyanate

Guanidine thiocyanate is a chaotropic agent, protein denaturant and protector of DNA and RNA. The thiocyanate has an enzyme (nuclease) inhibiting function which, combined with its ability to protect nucleic acids, makes it useful in the study of DNA and RNA. It can be used to deactivate viruses so that they can be studied safely. It is used in PCR, Northern and Southern blotting.

#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as dangerous for transport.

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