

Product Datasheet

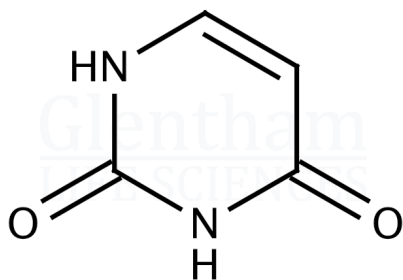
GE9705 - Uracil, 99%, Ultrapure

Product Details

Product Name	Uracil, 99%, Ultrapure
Glenthams Code	GE9705
CAS Number	66-22-8
EINECS	200-621-9
MDL Number	MFCD00006016
Related Categories	Biochemicals, Nucleosides & Nucleotides, Raw Materials (IVD)

Structure

Molecular Weight	: 112.09
Molecular Formula	: C ₄ H ₄ N ₂ O ₂



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

Physical Description : White to off-white powder

Wavelength of Maximum Absorption (λ _{max1})	: 203 - 205 nm (in water)
Wavelength of Maximum Absorption (λ _{max2})	: 258 - 260 nm (in water)
Solubility (5% in 1M NaOH)	: Clear to very faintly turbid, colourless to very faint yellow solution
Residue on Ignition	: ≤ 0.1%
Heavy Metals	: ≤ 20ppm
Nitrogen (N)	: 24.7 - 25.3 % (dried basis)
Loss on Drying	: ≤ 2.0% (105°C)
Assay	: ≥ 99.0% (dried basis)
Version	: v1.0

About Uracil, 99%, Ultrapure

Uracil is a pyrimidine nucleotide that replaces thymine in the process of transcribing DNA into RNA. Besides this fundamental function, Uracil is also known for its use in the anticancer drug 5-fluorouracil: when combined with fluorine, uracil can block RNA synthesis in cancerous cells. Within a lab setting, Uracil is also used as a void marker in reverse-phase HPLC columns.

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025