

Product Datasheet

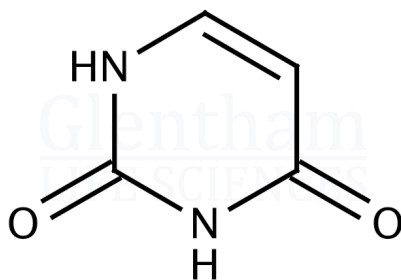
GE9705 - Uracil, 99%, Ultrapure

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	: $C_4H_4N_2O_2$



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
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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	: $\leq 0.1\%$
Heavy Metals	: $\leq 20\text{ppm}$
Nitrogen (N)	: 24.7 - 25.3 % (dried basis)
Loss on Drying	: $\leq 2.0\%$ (105°C)
Assay	: $\geq 99.0\%$ (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.

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