

Product Datasheet

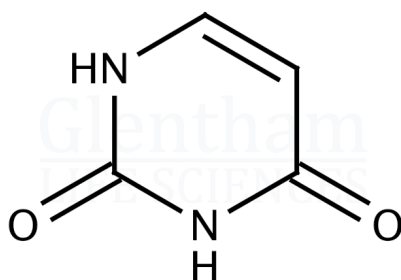
GK0306 - Uracil

Product Details

Product Name	Uracil
Glentham Code	GK0306
CAS Number	66-22-8
EINECS	200-621-9
MDL-Nummer	MFCD00006016
PubChem SID	310281579
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.

Glentham Product Specification

Physical Description	: White to off-white powder
Solubility (5% in 1M NaOH)	: Clear to very faintly turbid, colourless to very faint yellow solution
Residue on Ignition	: ≤ 0.1%
Heavy Metals	: ≤ 20ppm
Assay	: ≥ 99.0% (anhydrous basis)
Version	: v1.1

About Uracil

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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