

Product Datasheet

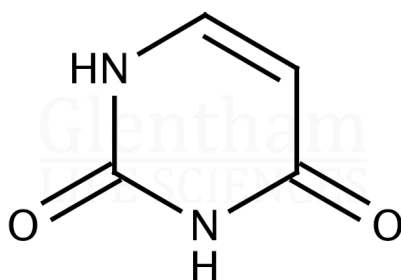
GK0306 - Uracil

Product Details

| | |
|--------------------|--|
| Product Name | Uracil |
| Glentham Code | GK0306 |
| CAS Number | 66-22-8 |
| EINECS | 200-621-9 |
| MDL Number | 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.

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