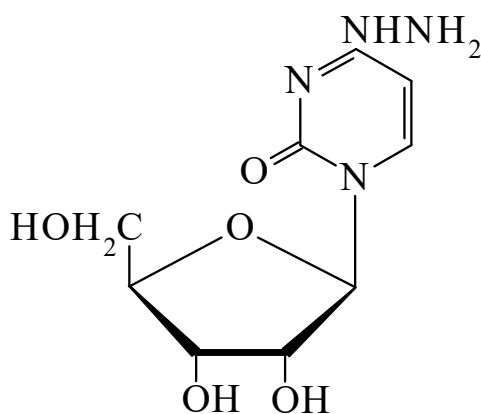




>>Entry Name: *N*<sup>4</sup>-Aminocytidine

Synonym(s): Uridine 4-hydrazone, 9Cl, 8Cl



CAS Registry Number: 57294-74-3

Molecular Formula: C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight: 258.233

Accurate Mass: 258.096421

Percentage Composition: C 41.86%; H 5.46%; N 21.70%; O 30.98%

Use/Importance: Mutagen causing AT<<>>GC base-pair transitions in DNA

Physical Description: Cryst. + ½ H<sub>2</sub>O

Other Data: Freq. obt. as glass

**Hazard & Toxicity:** Potent mutagen

Sigma: A0429

#### References:

Negishi, K. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3884, (*synth, uv, bibl*)

Kashino, S. *et al.*, *Acta Cryst. C*, 1988, **44**, 1454, (*cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AJK625