Product datasheet

Cytarabine ab141924

1 References

Overview

Product name  Cytarabine
Description  Pyrimidine nucleoside analog
Biological description  Pyrimidine nucleoside analog able to inhibit DNA synthesis. Active specifically on the S phase of the cell cycle. Chemotherapeutic agent. Antiviral and immunosuppressant properties.
Purity  > 99%

Properties

Chemical name  4-Amino-1-β-D-arabinofuranosyl-2(1H)-pyrimidinone
Molecular weight  243.22
Chemical structure

Molecular formula  C_{9}H_{13}N_{3}O_{5}
CAS Number  147-94-4
PubChem identifier  6253
Storage instructions  Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview  Soluble in water to 100 mM and in DMSO to 50 mM
Handling  Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES  C1=CN(C(=O)N=C1N)C2C(C(C(O2)CO)O)O
Source  Synthetic

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