

Product Data Sheet

Product Name: 2-Deoxycytidine

Cat. No.: GC17478

Chemical Properties

Cas. No. 951-77-9

Chemical Name 1-((2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-4-imino-1,4-dihydropyrimidin-2-ol

SMILES N=C1C=CN(C(O)=N1)[C@@]2([H])C[C@@](O)([H])[C@@](O2)([H])CO

Formula $C_9H_{13}N_3O_4$ +adduct M.Wt 227.22

Solubility $\geq 22.7\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

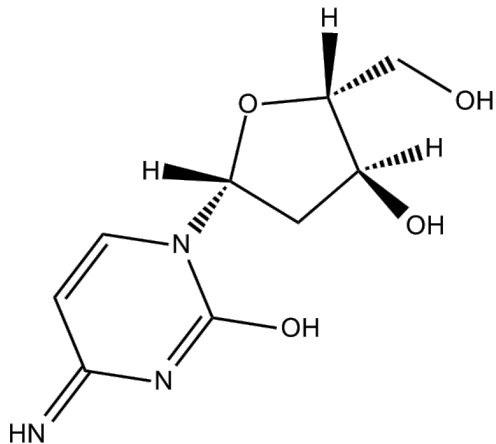
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

2'-Deoxycytidine, a deoxyribonucleoside, could inhibit biological effects of Bromodeoxyuridine (BrdU).

References:

[1]. Horn D, et al. Inhibition of biological effects of bromodeoxyuridine by deoxycytidine: correlation with decreased incorporation of bromodeoxyuridine into DNA. Somatic Cell Genet. 1976 Sep;2(5):469-81.

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