

Product Data Sheet

Product Name: Alovudine

Cat. No.: GC19510

Chemical Properties

Cas. No. 25526-93-6

Chemical Name 3'-Deoxy-3'-fluorothymidine

SMILES OC[C@H]1[C@@H](F)C[C@H](N2C(NC(C(C)=C2)=O)=O)O1

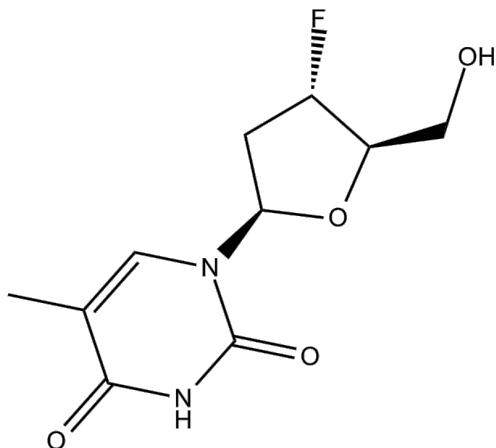
Formula $C_{10}H_{13}FN_2O_4$ M.Wt 244.22

Solubility DMSO : 49mg/mL; Water : 20mg/mL 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.

Structure



Background

3'-Fluoro-3'-deoxythymidine (Alovudine) is a marker of DNA synthesis that is less susceptible to inflammatory changes than 18F-Fluorodeoxyglucose (FDG) and thus is a better biomarker in pancreatic cancer[1].

References:

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

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[1]. Challapalli A, et al. 3'-Deoxy-3'-18F-fluorothymidine positron emission tomography as an early predictor of disease progression in patients with advanced and metastatic pancreatic cancer. Eur J Nucl Med Mol Imaging. 2015 May;42(6):831-40.

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