

Product Data Sheet

Product Name: 5-Methyluridine

Cat. No.: GC33514

Chemical Properties

Cas. No. 1463-10-1

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

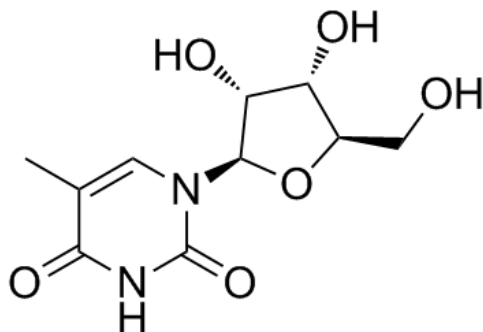
Formula $C_{10}H_{14}N_2O_6$ M.Wt 258.23

Solubility DMSO: ≥ 100 mg/mL (387.25 mM); Storage Store at -20°C
Water: 100 mg/mL (387.25 mM)

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

5-Methyluridine is an endogenous methylated nucleoside found in human fluids.

[1]. Yang TH, et al. Intracellular levels of S-adenosylhomocysteine but not homocysteine are highly correlated to the expression of nm23-H1 and the level of 5-methyldeoxycytidine in human hepatoma cells with different invasion activities. Nutr Cancer. 2006;55(2):224-31.

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