

Product Data Sheet

Product Name: 2,2'-O-Anhydro-5-methyluridine

Cat. No.: GF39659

Chemical Properties

Cas. No. 22423-26-3

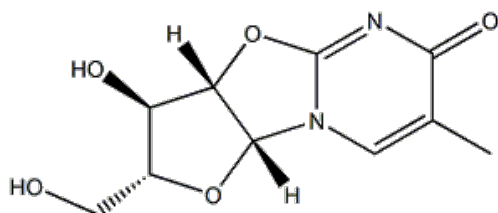
Formula $C_{10}H_{12}N_2O_5$ M.Wt 240.21

Solubility DMSO : 50 mg/mL(208.15 mM; Need ultrasonic) Storage $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

TK-112690 is a UPP1 inhibitor. TK-112690 inhibits murine small intestinal uridine phosphorylase (UPase) with an IC_{50} of $12.5\ \mu M$ and human small intestinal UPase with an IC_{50} of $20.0\ \mu M$ in vitro. TK-112690 increases plasma uridine concentration in mice. TK-112690 can be used for the study of cancer and pulmonary fibrosis [1][2][3].

References:

[1]. Strefeler A, et al. Nucleosides are overlooked fuels in central carbon metabolism. Trends Endocrinol Metab. 2024 Apr;35(4):290-299.

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

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