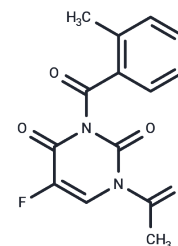


1-Acetyl-3-o-toluy-5-fluorouracil

Chemical Properties

CAS No. :	71861-76-2
Formula:	C ₁₄ H ₁₁ FN ₂ O ₄
Molecular Weight:	290.25
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1-Acetyl-3-o-toluy-5-fluorouracil is a potent antineoplastic agent.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others
In vivo	Anti-tumor activity of oral administration of 1-Acetyl-3-o-toluy-5-fluorouracil at a dose of 0.2 mmol/kg/d is comparable to that of subcutaneous administration of 5-fluorouracil at the same dose. The level of decrease in thymus weight and the magnitude of increase of spleen weight following oral administration of 1-Acetyl-3-o-toluy-5-fluorouracil at any dose are smaller than those by subcutaneous administration of 5-fluorouracil (0.2 mmol/kg/d).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4453 mL	17.2265 mL	34.4531 mL
5 mM	0.6891 mL	3.4453 mL	6.8906 mL
10 mM	0.3445 mL	1.7227 mL	3.4453 mL
50 mM	0.0689 mL	0.3445 mL	0.6891 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yata N, et al. Anti-tumor activity of 1-acetyl-3-o-toluy-5-fluorouracil against murine hepatoma MH134 and its effects on tissue weights following subcutaneous and oral administration. J Pharmacobiodyn. 1985 Apr;8(4):264-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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