Data Sheet (Cat.No.TNU0123)



5-Methoxyuridine

Chemical Proper	ties	
CAS No. :	35542-01-9	H ₃ C
Formula:	C10H14N2O7	он 🗸
Molecular Weight:	274.23	
Appearance: 🦲	no data available	
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description	n
Description	5-Methoxyuridine (Mo5U) is a purine nucleoside analog with a broad spectrum of antitumor activity, targeting malignant tumors of the inert lymphatic system and inducing apoptosis.5-Methoxyuridine's anticancer mechanism is dependent on the inhibition of DNA synthesis.5-Methoxyuridine is a purine nucleoside analog with a broad spectrum of antitumor activity, targeting malignant tumors of the inert lymphatic system and inducing apoptosis.
Targets(IC50)	Apoptosis

Solubility Information	
Solubility	DMSO: 60 mg/mL (218.79 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

1 2			
	1mg	5mg	10mg
1 mM	3.6466 mL	18.2329 mL	36.4657 mL
5 mM	0.7293 mL	3.6466 mL	7.2931 mL
10 mM	0.3647 mL	1.8233 mL	3.6466 mL
50 mM	0.0729 mL	0.3647 mL	0.7293 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.

Reference

Robak T, et al. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. Curr Pharm Des. 2012;18(23):3373-88.

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