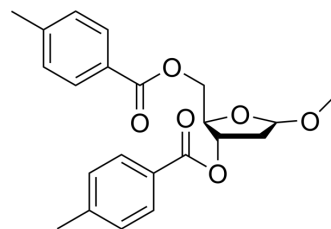


Methyl 2-deoxy-3,5-di-O-toluoyl-D-ribofuranoside

Cat. No.:	HY-I0100	
CAS No.:	4330-34-1	
Molecular Formula:	C ₂₂ H ₂₄ O ₆	
Molecular Weight:	384.42	
Target:	Nucleoside Antimetabolite/Analog	
Pathway:	Cell Cycle/DNA Damage	
Storage:	Pure form	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (130.07 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6013 mL	13.0066 mL	26.0132 mL
5 mM	0.5203 mL	2.6013 mL	5.2026 mL
10 mM	0.2601 mL	1.3007 mL	2.6013 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Methyl 2-deoxy-3,5-di-O-toluoyl-D-ribofuranoside is a purine nucleoside analog. Purine nucleoside analogs have broad antitumor activity targeting indolent lymphoid malignancies. Anticancer mechanisms in this process rely on inhibition of DNA synthesis, induction of apoptosis, etc^[1].

REFERENCES

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

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

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