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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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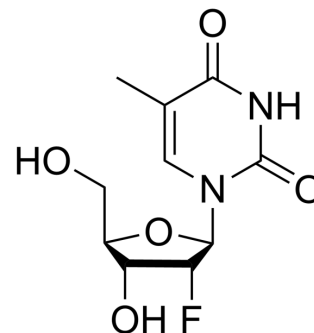
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2'-Fluorothymidine

Cat. No.:	HY-128710		
CAS No.:	122799-38-6		
Molecular Formula:	C ₁₀ H ₁₃ FN ₂ O ₅		
Molecular Weight:	260.22		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (480.36 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.8429 mL	19.2145 mL	38.4290 mL
	5 mM		0.7686 mL	3.8429 mL	7.6858 mL
	10 mM		0.3843 mL	1.9215 mL	3.8429 mL

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

BIOLOGICAL ACTIVITY

Description

2'-Fluorothymidine (2'-Fluoro-2'-deoxythymidine), a bioisostere of both thymidine (TdR) and methyluridine, is a putative highly selective substrate for thymidine kinase type 2 (TK2)^[1].

REFERENCES

[1]. Wiebe LI, et al. Biochemistry and biology of 2'-Fluoro-2'-deoxythymidine (FT), a putative highly selective substrate for thymidine kinase type 2 (TK2). Curr Radiopharm. 2012 Jan;5(1):38-46.

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

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