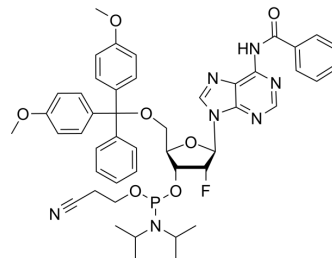


DMT-2'fluoro-da(bz) amidite

Cat. No.:	HY-21997
CAS No.:	136834-22-5
Molecular Formula:	C ₄₇ H ₅₁ FN ₇ O ₇ P
Molecular Weight:	875.92
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (114.17 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	1.1417 mL	5.7083 mL	11.4166 mL
		5 mM	0.2283 mL	1.1417 mL	2.2833 mL
		10 mM	0.1142 mL	0.5708 mL	1.1417 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.85 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	<p>Dmt-2'fluoro-da(bz) amidite, an uniformly modified 2'-deoxy-2'-fluoro phosphorothioate oligonucleotide, is a nuclease-resistant antisense compound with high affinity and specificity for RNA targets. Dmt-2'fluoro-da(bz) amidite is also an intermediate for 5'-DMT-3'-phosphoramidite synthesis^[1].</p>
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REFERENCES

[1]. Kawasaki AM, et, al. Uniformly modified 2'-deoxy-2'-fluoro phosphorothioate oligonucleotides as nuclease-resistant antisense compounds with high affinity and specificity for RNA targets. J Med Chem. 1993 Apr 2;36(7):831-41.

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

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