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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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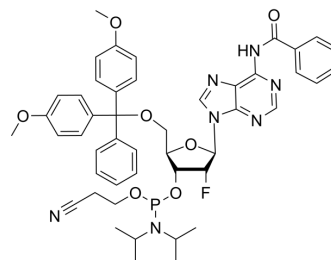
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DMT-2'fluoro-da(bz) amidite

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)

Concentration	Mass		
	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

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].

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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