



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

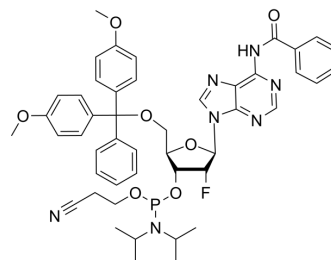
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## DMT-2'fluoro-da(bz) amidite

<b>Cat. No.:</b>	HY-21997		
<b>CAS No.:</b>	136834-22-5		
<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>51</sub> FN <sub>7</sub> O <sub>7</sub> P		
<b>Molecular Weight:</b>	875.92		
<b>Target:</b>	DNA/RNA Synthesis		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<b>Storage:</b>	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<sup>[1]</sup>.

### 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA