



# 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

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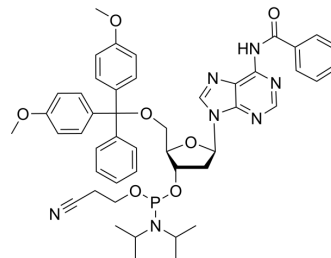
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## DMT-dA(bz) Phosphoramidite

<b>Cat. No.:</b>	HY-W013059
<b>CAS No.:</b>	98796-53-3
<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>52</sub> N <sub>7</sub> O <sub>7</sub> P
<b>Molecular Weight:</b>	857.93
<b>Target:</b>	DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 25 mg/mL (29.14 mM); ultrasonic and warming and heat to 80°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.1656 mL	5.8280 mL	11.6560 mL
		5 mM	0.2331 mL	1.1656 mL	2.3312 mL
		10 mM	0.1166 mL	0.5828 mL	1.1656 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (2.91 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.91 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	DMT-dA(bz) Phosphoramidite is typically used in the synthesis of DNA <sup>[1]</sup> .
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### REFERENCES

[1]. James D Thorpe, et al. Mechanochemical Synthesis of Short DNA Fragments. Chemistry. 2020 Jul 22;26(41):8857-8861.

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

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