



# 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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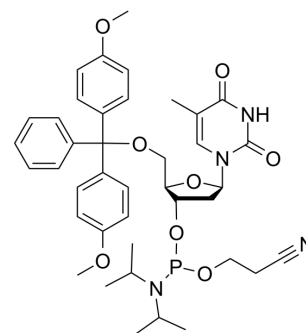
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## DMT-dT Phosphoramidite

<b>Cat. No.:</b>	HY-W013068
<b>CAS No.:</b>	98796-51-1
<b>Molecular Formula:</b>	C <sub>40</sub> H <sub>49</sub> N <sub>4</sub> O <sub>8</sub> P
<b>Molecular Weight:</b>	744.81
<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

#### In Vitro

DMSO : 250 mg/mL (335.66 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3426 mL	6.7131 mL	13.4262 mL
	5 mM	0.2685 mL	1.3426 mL	2.6852 mL
	10 mM	0.1343 mL	0.6713 mL	1.3426 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.08 mg/mL (2.79 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (2.79 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

DMT-dT Phosphoramidite is typically used in the synthesis of DNA<sup>[1]</sup>.

### 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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