



SZABO SCANDIC

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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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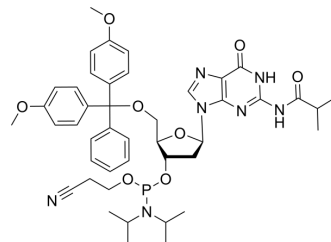
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DMT-dG(ib) Phosphoramidite

Cat. No.:	HY-W008848
CAS No.:	93183-15-4
Molecular Formula:	C ₄₄ H ₅₄ N ₇ O ₈ P
Molecular Weight:	839.92
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (119.06 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.1906 mL	5.9529 mL	11.9059 mL
		5 mM		0.2381 mL	1.1906 mL	2.3812 mL
		10 mM		0.1191 mL	0.5953 mL	1.1906 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.98 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.98 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	DMT-dG(ib) Phosphoramidite is typically used in the synthesis of DNA ^[1] .
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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.

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

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