



# 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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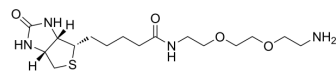
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## Biotin-DADOO

<b>Cat. No.:</b>	HY-D0980		
<b>CAS No.:</b>	138529-46-1		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>30</sub> N <sub>4</sub> O <sub>4</sub> S		
<b>Molecular Weight:</b>	374.5		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (267.02 mM; Need ultrasonic)  
 H<sub>2</sub>O : ≥ 100 mg/mL (267.02 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		2.6702 mL	13.3511 mL	26.7023 mL
	5 mM		0.5340 mL	2.6702 mL	5.3405 mL
	10 mM		0.2670 mL	1.3351 mL	2.6702 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (267.02 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.68 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Biotin-DADOO is a biotinylation reagent, which can be used to synthesize a biotin-estradiol conjugate (i.e., biotin-DADOO-estradiol) to develop a direct, broad range enzyme immunoassay to measure plasma estradiol concentrations.

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## REFERENCES

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[1]. You L, et al. Scutellarin inhibits Hela cell growth and glycolysis by inhibiting the activity of pyruvate kinase M2. Bioorg Med Chem Lett. 2017 Dec 15;27(24):5404-5408.

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

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