



# 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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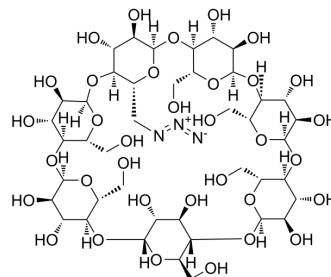
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## 6A-Azido-6A-deoxy- $\beta$ -cyclodextrin

<b>Cat. No.:</b>	HY-101532		
<b>CAS No.:</b>	98169-85-8		
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>69</sub> N <sub>3</sub> O <sub>34</sub>		
<b>Molecular Weight:</b>	1160		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (107.76 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8621 mL	4.3103 mL	8.6207 mL
	5 mM	0.1724 mL	0.8621 mL	1.7241 mL
	10 mM	0.0862 mL	0.4310 mL	0.8621 mL

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

### BIOLOGICAL ACTIVITY

#### Description

6A-Azido-6A-deoxy- $\beta$ -cyclodextrin ( $\beta$ -CDN3; 6A-deoxy-6A-azido- $\beta$ -cyclodextrin) is a new water-soluble Schiff base ligand based on  $\beta$ -cyclodextrin (HY-107201). 6A-Azido-6A-deoxy- $\beta$ -cyclodextrin can be used for bioaqueous hydroformylation.  $\beta$ -cyclodextrin ( $\beta$ CD) has a unique affinity for Dexamethasone (HY-14648), and can be used as a topical osmotic enhancer to introduce it into the agent carrier system<sup>[1][2]</sup>. 6A-Azido-6A-deoxy- $\beta$ -cyclodextrin is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

### REFERENCES

[1]. Dauchy M, et al. New water-soluble Schiff base ligands based on  $\beta$ -cyclodextrin for aqueous biphasic hydroformylation reaction[J]. Pure and Applied Chemistry, 2018, 90(5): 845-855.

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

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