



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

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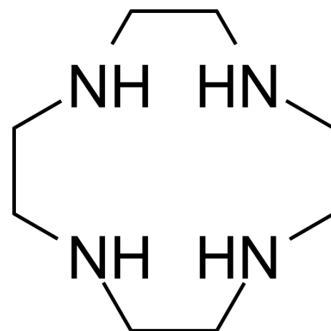
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Cyclen

Cat. No.:	HY-W007656
CAS No.:	294-90-6
Molecular Formula:	C ₈ H ₂₀ N ₄
Molecular Weight:	172.27
Target:	Others
Pathway:	Others
Storage:	4°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

H₂O : 50 mg/mL (290.24 mM; Need ultrasonic)
DMSO : 1.85 mg/mL (10.74 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.8048 mL	29.0242 mL	58.0484 mL
	5 mM	1.1610 mL	5.8048 mL	11.6097 mL
	10 mM	0.5805 mL	2.9024 mL	5.8048 mL

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

BIOLOGICAL ACTIVITY

Description

Cyclen is the aza analogue of crown ether, used as a precursor for MRI contrast agents, and is an intermediate for the preparation of effective macrocyclic chelates^[1].

REFERENCES

[1]. Rashid HU, et al. Cyclen-based Gd³⁺ complexes as MRI contrast agents: Relaxivity enhancement and ligand design. *Bioorg Med Chem.* 2016 Nov 15;24(22):5663-5684.

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

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