



# 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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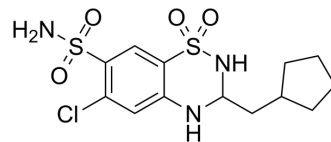
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## Cyclopentiazide

Cat. No.:	HY-109542
CAS No.:	742-20-1
Molecular Formula:	C <sub>13</sub> H <sub>18</sub> ClN <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	379.88
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (329.05 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6324 mL	13.1621 mL	26.3241 mL	
5 mM	0.5265 mL	2.6324 mL	5.2648 mL	
10 mM	0.2632 mL	1.3162 mL	2.6324 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Cyclopentiazide is a benzothiadiazine diuretic with antihypertensive properties. Cyclopentiazide exerts a diuretic effect by inhibiting the reabsorption of sodium chloride and water at the distal renal tubules. Cyclopentiazide increases the excretory capacity of the rat kidney<sup>[1]</sup>.

#### In Vivo

Cyclopentiazide (0.5 mg/kg; i.p.; daily, for 3 days; female Wistar rats) increases the excretion of p-aminohippurate (PAH) <sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Female Wistar rats <sup>[1]</sup>
Dosage:	0.5 mg/kg
Administration:	Intraperitoneal injection; daily, for 3 days
Result:	Stimulated p-aminohippurate (PAH) excretion.

### REFERENCES

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[1]. Bräunlich H. Postnatal development of kidney function in rats receiving thyroid hormones. Exp Clin Endocrinol. 1984 May;83(3):243-50.

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

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