



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

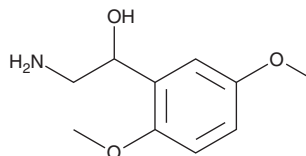
# PRODUCT INFORMATION



## Desglymidodrine

Item No. 35608

**CAS Registry No.:** 3600-87-1  
**Formal Name:**  $\alpha$ -(aminomethyl)-2,5-dimethoxy-benzenemethanol  
**Synonym:** ST 1059  
**MF:** C<sub>10</sub>H<sub>15</sub>NO<sub>3</sub>  
**FW:** 197.2  
**Purity:**  $\geq$ 98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:**  $\geq$ 4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Desglymidodrine is supplied as a solid. A stock solution may be made by dissolving the desglymidodrine in the solvent of choice, which should be purged with an inert gas. Desglymidodrine is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of desglymidodrine in these solvents is approximately 2 and 1 mg/ml, respectively.

### Description

Desglymidodrine is the active metabolite of the prodrug midodrine (Item No. 17349).<sup>1</sup> It is formed from midodrine by enzymatic hydrolysis.<sup>2</sup> Desglymidodrine is an agonist of  $\alpha_1$ -adrenergic receptors ( $\alpha_1$ -ARs).<sup>1</sup> It binds to  $\alpha_1$ -ARs ( $K_i$ s = 9.77, 9.55, and 8.51  $\mu$ M for  $\alpha_{1A}$ ,  $\alpha_{1B}$ , and  $\alpha_{1D}$ -ARs, respectively) and increases intraurethral pressure (IUP) and mean arterial pressure (MAP) by 5 and 20 mm Hg, respectively, in anesthetized dogs at doses of 205 and 250 nmol/kg, respectively.

### References

1. Altenbach, R.J., Khilevich, A., Kolasa, T., *et al.* Synthesis and structure-activity studies on *N*-[5-(1*H*-imidazol-4-yl)-5,6,7,8-tetrahydro-1-naphthalenyl]methanesulfonamide, an imidazole-containing  $\alpha_{1A}$ -adrenoceptor agonist. *J. Med. Chem.* **47**(12), 3220-3235 (2004).
2. McClellan, K.J., Wiseman, L.R., and Wilde, M.I. Midodrine. A review of its therapeutic use in the management of orthostatic hypotension. *Drugs Aging* **12**(1), 76-86 (1998).

**WARNING**  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

**SAFETY DATA**  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

**WARRANTY AND LIMITATION OF REMEDY**  
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 12/12/2022

### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM