



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

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- 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) 

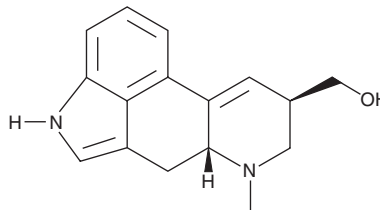
# PRODUCT INFORMATION



## Lysergol

Item No. 11717

**CAS Registry No.:** 602-85-7  
**Formal Name:** 9,10-didehydro-6-methyl-ergoline-8 $\beta$ -methanol  
**Synonyms:** (+)-Lysergol, NSC 196867  
**MF:** C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O  
**FW:** 254.3  
**Purity:**  $\geq$ 98%  
**UV/Vis.:**  $\lambda_{\text{max}}$ : 227, 242, 311 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:**  $\geq$ 4 years  
**Item Origin:** Fungal



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

### Laboratory Procedures

Lysergol is supplied as a crystalline solid. A stock solution may be made by dissolving the lysergol in the solvent of choice, which should be purged with an inert gas. Lysergol is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of lysergol in these solvents is approximately 20 mg/ml.

### Description

Lysergol is an ergot alkaloid that has been found in *S. sorghi* and an agonist of the serotonin (5-HT) receptor subtypes 5-HT<sub>1A</sub>, 5-HT<sub>2A</sub>, and 5-HT<sub>2C</sub> (EC<sub>50</sub>s = 73, 1.6, and 6.6 nM, respectively, in a FLIPR assay).<sup>1,2</sup> It induces contractions in isolated rat tail arteries (EC<sub>50</sub> = 436.5 nM).<sup>2</sup> Lysergol (10  $\mu$ g/ml) also enhances the antibacterial activity of the quinolone antibiotic nalidixic acid (Item No. 19807) against susceptible and drug-resistant *E. coli*.<sup>3</sup>

### References

1. Yuan, H., Guo, Z., and Luo, T. Synthesis of (+)-lysergol and its analogues to assess serotonin receptor activity. *Org. Lett.* **19(3)**, 624-627 (2017).
2. Pertz, H. Naturally occurring clavines: Antagonism/partial agonism at 5-HT<sub>2A</sub> receptors and antagonism at  $\alpha_1$ -adrenoceptors in blood vessels. *Planta Med.* **62(5)**, 387-392 (1996).
3. Maurya, A., Dwivedi, G.R., Darokar, M.P., et al. Antibacterial and synergy of clavine alkaloid lysergol and its derivatives against nalidixic acid-resistant *Escherichia coli*. *Chem. Biol. Drug Des.* **81(4)**, 484-490 (2013).

#### 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.

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#### 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