



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

www.szabo-scandic.com

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

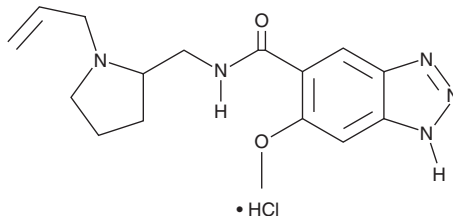
PRODUCT INFORMATION



Alizapride (hydrochloride)

Item No. 25645

CAS Registry No.: 59338-87-3
Formal Name: 6-methoxy-N-[[1-(2-propen-1-yl)-2-pyrrolidinyl]methyl]-1H-benzotriazole-5-carboxamide, monohydrochloride
MF: $C_{16}H_{21}N_5O_2 \cdot HCl$
FW: 351.8
Purity: $\geq 98\%$
UV/Vis.: λ_{max} : 224, 296 nm
Supplied as: A crystalline solid
Storage: $-20^{\circ}C$
Stability: ≥ 4 years



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

Laboratory Procedures

Alizapride (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the alizapride (hydrochloride) in the solvent of choice, which should be purged with an inert gas. Alizapride (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of alizapride (hydrochloride) in these solvents is approximately 0.5, 10, and 5 mg/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of alizapride (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of alizapride (hydrochloride) in PBS (pH 7.2) is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Alizapride is a dopamine D_2 receptor antagonist (K_i = 66-340 nM in radioligand binding assays).¹ It is selective for dopamine D_2 over α_1 -, α_2 -, and β -adrenergic receptors (IC_{50} s = $>10 \mu M$ for all). It reduces decreases in gastrointestinal transit induced by dopamine (Item No. 21992), apomorphine, or bromocriptine (Item No. 14598) in rats when administered at a dose of 5 mg/kg.² Formulations containing alizapride have been used in the treatment of pre- and postoperative nausea.

References

1. Chivers, J.K., Gommeren, W., Leysen, J.E., *et al.* Comparison of the *in-vitro* receptor selectivity of substituted benzamide drugs for brain neurotransmitter receptors. *J. Pharm. Pharmacol.* **40**(6), 415-421 (1988).
2. Dhasmana, K.M., Villalón, C.M., Zhu, Y.N., *et al.* The role of dopamine (D_2), α and β -adrenoceptor receptors in the decrease in gastrointestinal transit induced by dopamine and dopamine-related drugs in the rat. *Pharmacol. Res.* **27**(4), 335-347 (1993).

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, 11/10/2022

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