



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

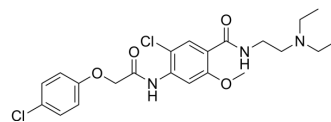
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cloxacepride

| | |
|--------------------|---|
| Cat. No.: | HY-106645 |
| CAS No.: | 65569-29-1 |
| Molecular Formula: | C ₂₂ H ₂₇ Cl ₂ N ₃ O ₄ |
| Molecular Weight: | 468.37 |
| Target: | Calmodulin |
| Pathway: | Membrane Transporter/Ion Channel |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Cloxacepride is an orally active and potent antiallergic agent. Cloxacepride is a CaM (calmodulin) antagonist. Cloxacepride has anti-PCA (passive cutaneous anaphylaxis) activity ^{[1][2]} . |
| In Vitro | Cloxacepride (10-50 μM) shows inhibitory effect on Compound 48/80 (HY-115768)-induced histamine and serotonin release from rat mesenteric mast cells. The IC ₅₀ is determined to 21 μM (histamine) and 19 μM (serotonin) ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |
| In Vivo | Oral ED ₅₀ values for cloxacepride of 46-49 mg/kg were comparable to that of theophylline (HY-B0809) and to an intravenous injection of 2 mg/kg of disodium chromoglycate (DSCG) followed by immediate challenge ^[1] . Cloxacepride has anti-PCA activity when administered orally 15 or 60 min before antigenic challenge ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Metz G, et al. Cloxacepride and related compounds: a new series of orally active antiallergic compounds. *J Med Chem.* 1983 Jul;26(7):1065-70.
- [2]. Friedrich G, et al. Inhibitory effect of cloxacepride on compound 48/80-induced histamine and serotonin release from rat mast cells. *Arch Int Pharmacodyn Ther.* 1984 Feb;267(2):264-8.
- [3]. Gigl G, et al. Calmodulin antagonism: a pharmacological approach for the inhibition of mediator release from mast cells. *Cell Calcium.* 1987 Oct;8(5):327-44.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA