



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



PSB-CB5

Item No. 35279

CAS Registry No.: 1627710-30-8
Formal Name: (2Z)-2-[[3-[(4-chlorophenyl)methoxy]phenyl]methylene]-6,7-dihydro-5H-imidazo[2,1-b][1,3]thiazin-3(2H)-one

Synonym: CID-85469571

MF: C₂₀H₁₇ClN₂O₂S

FW: 384.9

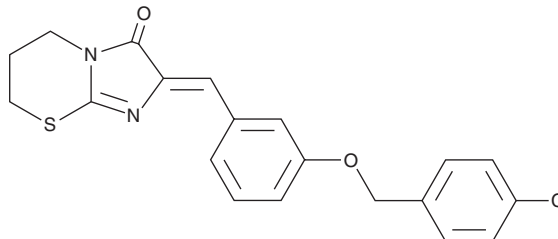
Purity: ≥95%

UV/Vis.: λ_{max}: 220, 251, 378 nm

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



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

Laboratory Procedures

PSB-CB5 is supplied as a solid. A stock solution may be made by dissolving the PSB-CB5 in the solvent of choice, which should be purged with an inert gas. PSB-CB5 is soluble in the organic solvent DMSO at a concentration of approximately 25 mg/ml.

Description

PSB-CB5 is an antagonist of G protein-coupled receptor GPR18 (IC₅₀ = 0.279 μM).¹ It is 36-, 36-, and 14-fold selective for GPR18 over GPR55, cannabinoid 1 (CB₁), and CB₂ receptors, respectively. PSB-CB5 (1 μM) inhibits acrosomal exocytosis induced by the endogenous GPR18 ligand arachidonoyl glycine (NAGly; Item No. 90051) in human spermatozoa.²

References

1. Rempel, V., Atzler, K., Behrenswerth, A., *et al.* Bicyclic imidazole-4-one derivatives: A new class of antagonists for the orphan G protein-coupled receptors GPR18 and GPR55. *Med. Chem. Commun.* **5**, 632-649 (2014).
2. Flegl, C., Vogel, F., Hofreuter, A., *et al.* Characterization of non-olfactory GPCRs in human sperm with a focus on GPR18. *Sci Rep.* **6**, 32255 (2016).

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, 12/13/2022

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