



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



WIC1

Item No. 39574

CAS Registry No.: 943083-58-7

Formal Name: N-[4-(4-ethyl-1-piperazinyl)phenyl]-2-oxo-2H-1-benzopyran-3-carboxamide

Synonym: Wnt Inhibitor Compound 1

MF: $C_{22}H_{23}N_3O_3$

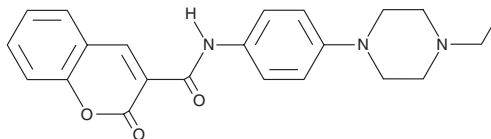
FW: 377.4

Purity: $\geq 98\%$

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

WIC1 is supplied as a solid. A stock solution may be made by dissolving the WIC1 in the solvent of choice, which should be purged with an inert gas. WIC1 is soluble in DMSO.

Description

WIC1 is an inhibitor of Wnt signaling.¹ It inhibits Wnt signaling induced by the glycogen synthase kinase 3β (GSK3 β) inhibitor CHIR99021 (Item No. 13122) in a reporter assay using BEAS-2B cells when used at a concentration of 100 nM. WIC1 (1 μM) induces differentiation of isolated mouse airway basal stem cells (ABSCs). It also decreases CHIR99021-induced hyperproliferation of, and nuclear phosphorylation of β -catenin in, ABSCs at the same concentration.

Reference

1. Aros, C.J., Paul, M.K., Pantoja, C.J., *et al.* High-throughput drug screening identifies a potent Wnt inhibitor that promotes airway basal stem cell homeostasis. *Cell Rep.* **30**(7), 2055-2064.e5 (2020).

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, 10/30/2023

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