



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) 

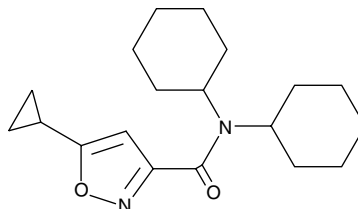
Product Information



CYM 5541

Item No. 15190

CAS Registry No.: 945128-26-7
Formal Name: N,N-dicyclohexyl-5-cyclopropyl-3-isoxazolecarboxamide
Synonyms: CID-17253208, ML-249
MF: C₁₉H₂₈N₂O₂
FW: 316.4
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 232 nm



Laboratory Procedures

For long term storage, we suggest that CYM 5541 be stored as supplied at -20°C. It should be stable for at least two years.

CYM 5541 is supplied as a crystalline solid. A stock solution may be made by dissolving the CYM 5541 in the solvent of choice. CYM 5541 is soluble in DMSO at a concentration of approximately 5 mg/ml.

The sphingosine 1-phosphate (S1P) receptor S1P₃ has roles in vasodilation, epithelial barrier function, cardioprotection, fibrosis, immunity, and inflammation.^{1,2} CYM 5541 is a selective, allosteric agonist of S1P₃ (EC₅₀ = 72-132 nM).^{3,4} It less effectively activates S1P₁ (EC₅₀ = 28-38 μM) and is ineffective at S1P₂, S1P₄, and S1P₅ as well as a panel of other receptors, ion channels and transporters.³

References

1. Choi, J.W., Lee, C.-W., and Chun, J. Biological roles of lysophospholipid receptors revealed by genetic null mice: An update. *Biochim. Biophys. Acta* **1781**, 531-539 (2008).
2. Rosen, H., Stevens, R.C., Hanson, M., *et al.* Sphingosine-1-phosphate and its receptors: Structure, signaling, and influence. *Annu. Rev. Biochem.* **82**, 637-662 (2013).
3. Guerrero, M., Poddutoori, R., Pinacho-Crisostomo, F., *et al.* Probe development efforts for an allosteric agonist of the sphingosine 1-phosphate receptor 3 (S1P₃), in Probe Reports from the NIH Molecular Libraries Program, 1 (2011).
4. Jo, E., Bhattacharai, B., Repetto, E., *et al.* Novel selective allosteric and bitopic ligands for the S1P₃ receptor. *ACS Chem. Biol.* **7**(12), 1975-1983 (2012).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/15190

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. 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

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will meet our specifications at the time of delivery.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's **exclusive remedy** and Cayman's sole liability hereunder shall be limited to a **refund** of the purchase price, or at Cayman's option, the **replacement**, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

Copyright Cayman Chemical Company, 11/19/2013

Cayman Chemical

Mailing address

1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone

(800) 364-9897
(734) 971-3335

Fax

(734) 971-3640

E-Mail

custserv@caymanchem.com

Web

www.caymanchem.com