



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

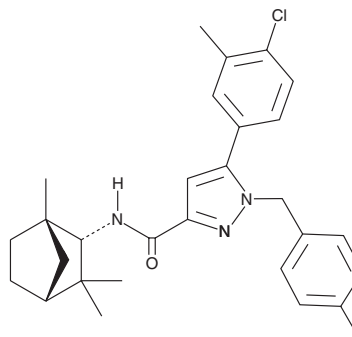


SR 144528

Item No. 9000491

CAS Registry No.: 192703-06-3
Formal Name: 5-(4-chloro-3-methylphenyl)-1-[(4-methylphenyl)methyl]-N-[(1S,2S,4R)-1,3,3-trimethylbicyclo[2.2.1]hept-2-yl]-1H-pyrazole-3-carboxamide

Synonym: SR144528
MF: C₂₉H₃₄ClN₃O
FW: 476.1
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

SR 144528 is supplied as a crystalline solid. A stock solution may be made by dissolving the SR 144528 in the solvent of choice. SR 144528 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of SR 144528 in DMSO is approximately 20 mg/ml and approximately 30 mg/ml in ethanol and DMF.

SR 144528 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, SR 144528 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. SR 144528 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

SR 144528 is a cannabinoid (CB) receptor 2 inverse agonist with K_i values ranging from 0.3 to 5.6 nM.¹ It is selective for CB₂ over CB₁ receptors, where it has K_i values ranging from 305 to >10,000 nM. SR 144528 blocks the inhibitory effects of CP 55,940 on forskolin-induced adenylyl cyclase activity in CHO cells expressing hCB₂ (IC₅₀ = 10 nM) but not in cells expressing hCB₁ (IC₅₀ = >10 μM).² SR 144528 has been used to investigate the contribution of the CB₂ receptor in the control of pain initiation as well as suppression of inflammation and immune activation.³⁻⁶

References

1. Pertwee, R.G. *Curr. Med. Chem.* **6**(8), 635-664 (1999).
2. Rinaldi-Carmona, M., Barth, F., Millan, J., et al. *J. Pharmacol. Exp. Ther.* **284**(2), 644-650 (1998).
3. Barth, F. and Rinaldi-Carmona, M. *Current Medicinal Chemistry* **6**, 745-755 (1999).
4. Di Marzo, V. *Nature Reviews Drug Discovery* **7**, 438-455 (2008).
5. Iwamura, H., Suzuki, H., Ueda, Y., et al. *J. Pharmacol. Exp. Ther.* **296**(2), 420-425 (2001).
6. Wright, K.L., Duncan, M., and Sharkey, K.A. *Br. J. Pharmacol.* **153**, 263-270 (2008).

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, 01/05/2018

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