



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) 

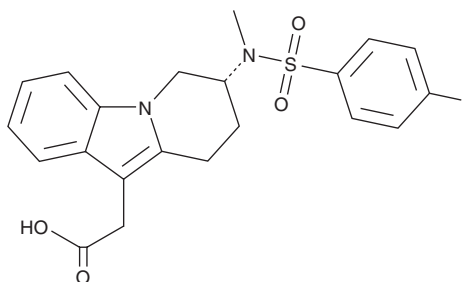
PRODUCT INFORMATION



MK-7246

Item No. 34208

CAS Registry No.: 1218918-62-7
Formal Name: (7R)-7-[[[(4-fluorophenyl)sulfonyl]methylamino]-6,7,8,9-tetrahydropyrido[1,2-a]indole-10-acetic acid
MF: C₂₁H₂₁FN₂O₄S
FW: 416.5
Purity: ≥98%
Supplied as: A 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

MK-7246 is supplied as a solid. A stock solution may be made by dissolving the MK-7246 in the solvent of choice, which should be purged with an inert gas. MK-7246 is soluble in the organic solvent DMSO at a concentration of approximately 50 mg/ml.

Description

MK-7246 is an antagonist of the prostaglandin D₂ (PGD₂; Item No. 12010) receptor CRTH₂/DP₂ (K_i = 2.5 nM).¹ It is selective for CRTH₂/DP₂ over DP₁, the PGF_{2α} receptor (FP), the PGI₂ receptor (IP), and the thromboxane A₂ (TP) receptor (K_is = 373, >25,100, >23,030, and 3,804 nM, respectively), as well as the PGE₂ receptor subtypes 1-4 (EP₁₋₄; K_is = 7,668-23,330 nM). MK-7246 inhibits 13,14-dihydro-15-keto-PGD₂-induced inhibition of cAMP formation in HEK293 cells expressing human CRTH₂/DP₂ (IC₅₀ = 3 nM). It also inhibits 13,14-dihydro-15-keto-PGD₂-induced eosinophil shape change (IC₅₀ = 2.2 nM) and CD11b upregulation on eosinophils and basophils in isolated human whole blood (IC₅₀s = 6.2 and 5.4 nM, respectively). MK-7246 (1 mg/kg) decreases antigen-induced late-phase bronchoconstriction and completely prevents airway hyperresponsiveness in sheep.

Reference

1. Gervais, F.G., Sawyer, N., Stocco, R., *et al.* Pharmacological characterization of MK-7246, a potent and selective CRTH₂ (chemoattractant receptor-homologous molecule expressed on T-helper type 2 cells) antagonist. *Mol. Pharmacol.* **79**(1), 69-76 (2011).

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, 06/15/2021

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