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

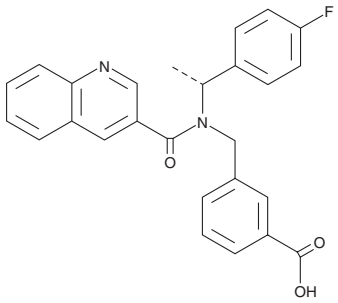
linkedin.com/company/szaboscandic

# PRODUCT INFORMATION

## PF-05105679

*Item No. 29489*

| | |
|---|---|
| **CAS Registry No.:** | 1398583-31-7 |
| **Formal Name:** | 3-[[[(1R)-1-(4-fluorophenyl)ethyl](3-quinolinylcarbonyl)amino]methyl]-benzoic acid |
| **MF:** | $C_{26}H_{21}FN_2O_3$ |
| **FW:** | 428.5 |
| **Purity:** | ≥98% |
| **UV/Vis.:** | $\lambda_{max}$: 232 nm |
| **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

PF-05105679 is supplied as a solid. A stock solution may be made by dissolving the PF-05105679 in the solvent of choice, which should be purged with an inert gas. PF-05105679 is soluble in DMSO at a concentration of approximately 10 mg/ml.

### Description

PF-05105679 is an antagonist of transient receptor potential melastatin 8 (TRPM8; $IC_{50}$ = 103 nM for inhibition of voltage-activated currents in HEK293 cells expressing the human receptor).[1] It is greater than 100-fold selective for TRPM8 over a panel of 90 receptors, ion channels, and enzymes. PF-05105679 inhibits calcium flux induced by cold or the TRPM8 agonist WS-12 in HEK293 cells expressing the human TRPM8 ($IC_{50}$s = 480 and 181 nM, respectively). Intravenous infusion of PF-05105679 (46.67 µg/kg per minute) reverses cold-induced reductions in bladder capacity in anesthetized guinea pigs. It decreases the core body temperature in rats when administered at doses of 100 and 300 mg/kg.

### Reference

1. Winchester, W.J., Gore, K., Glatt, S., *et al*. Inhibition of TRPM8 channels reduces pain in the cold pressor test in humans. *J. Pharmacol. Exp. Ther.* **351(2)**, 259-269 (2014).



**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