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

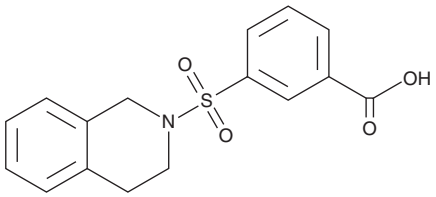
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

CRT0036521

Item No. 36600

CAS Registry No.: 327092-81-9
Formal Name: 3-[(3,4-dihydro-2(1H)-isoquinolinyl) sulfonyl]-benzoic acid
MF: $C_{16}H_{15}NO_4S$
FW: 317.4
Purity: ≥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

CRT0036521 is supplied as a solid. A stock solution may be made by dissolving the CRT0036521 in the solvent of choice, which should be purged with an inert gas. CRT0036521 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of CRT0036521 in these solvents is approximately 25 and 33 mg/ml, respectively. CRT0036521 is slightly soluble in ethanol.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of CRT0036521 can be prepared by directly dissolving the solid in aqueous buffers. The solubility of CRT0036521 in PBS (pH 7.2) is approximately 0.25 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

CRT0036521 is an inhibitor of prostaglandin F synthase, also known as aldo-keto reductase 1C3 (AKR1C3; IC_{50} = 0.013 µM).[1] It is selective for prostaglandin F synthase/AKR1C3 over AKR1C1, AKR1C2, and AKR1C4 (IC_{50}s = 20, >30, and >30 µM, respectively).

Reference

1. Jamieson, S.M.F., Brooke, D.G., Heinrich, D., *et al.* 3-(3,4-Dihydroisoquinolin-2(1H)-ylsulfonyl)benzoic acids: Highly potent and selective inhibitors of the type 5 17-β-hydroxysteroid dehydrogenase AKR1C3. *J. Med. Chem.* **55(17)**, 7746-7758 (2012).

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