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

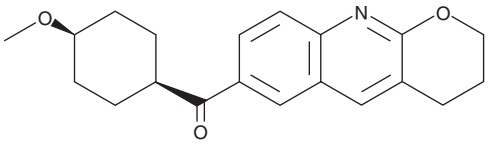
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

JNJ-16259685

Item No. 35377

CAS Registry No.:	409345-29-5
Formal Name:	(3,4-dihydro-2H-pyrano[2,3-b]quinolin-7-yl)(*cis*-4-methoxycyclohexyl)-methanone
MF:	$C_{20}H_{23}NO_3$
FW:	325.4
Purity:	≥95%
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

JNJ-16259685 is supplied as a solid. A stock solution may be made by dissolving the JNJ-16259685 in the solvent of choice, which should be purged with an inert gas. JNJ-16259685 is slightly soluble in chloroform and DMSO.

Description

JNJ-16259685 is an antagonist of metabotropic glutamate receptor 1a (mGluR1a; K_i = 0.34 nM in CHO(dHFr$^-$) cell membranes expressing the rat receptor).[1] It is selective for mGluR1a over mGluR5, -2, -3, -4, and -6, as well as a panel of neurotransmitter receptors, ion channels, and transporters, at 10 µM. JNJ-16259685 inhibits glutamate-induced inositol phosphate accumulation in primary rat cerebellar neurons with an IC_{50} value of 1.73 nM. It increases drinking in the Vogel punished drinking task, indicating anxiolytic-like activity, when administered at doses of 2.5, 5, or 10 mg/kg.[2]

References

1. Lavreysen, H., Wouters, R., Bischoff, F., *et al*. JNJ16259685, a highly potent, selective and systemically active mGlu1 receptor antagonist. *Neuropharmacology* **47(7)**, 961-972 (2004).
2. Steckler, T., Lavreysen, H., Oliveira, A.M., *et al*. Effects of mGlu1 receptor blockade on anxiety-related behaviour in the rat lick suppression test. *Psychopharmacology (Berl.)* **179(1)**, 198-206 (2005).

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