

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 <u>mail@szabo-scandic.com</u> www.szabo-scandic.com

PRODUCT INFORMATION



SR9011

Item No. 11930

		Ci
CAS Registry No.:	1379686-29-9	
Formal Name:	3-[[[(4-chlorophenyl)methyl][(5-nitro-2-thienyl)methyl] amino]methyl]-N-pentyl-1-pyrrolidinecarboxamide	O ₂ N-
MF:	C ₂₃ H ₃₁ ClN ₄ O ₃ S	
FW:	479.0	
Purity:	≥98%	
UV/Vis.:	λ _{max} : 325 nm	Ń Ń
Supplied as:	A crystalline solid	Щ
Storage:	-20°C	0
Stability:	≥2 years	
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.		

Laboratory Procedures

SR9011 is supplied as a crystalline solid. A stock solution may be made by dissolving the SR9011 in the solvent of choice. SR9011 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of SR9011 in ethanol is approximately 14 mg/ml and approximately 30 mg/ml in DMSO and DMF.

Description

SR9011 is a REV-ERB agonist that increases the constitutive repression of genes regulated by REV-ERB α and REV-ERB β with IC₅₀ values of 790 and 560 nM, respectively.¹ It has no activity at other nuclear receptors. SR9011 blocks the activity of the suprachiasmatic nucleus (SCN) clock, with reversible inhibition of circadian oscillation in SCN explants cultured from Per2-luc reporter mice.¹ The circadian pattern of expression of several metabolic genes in liver, skeletal muscle, and adipose tissue was also shown to be altered in mice exposed to SR9011, resulting in increased energy expenditure.¹

Reference

1. Solt, L.A., Wang, Y., Banerjee, S., et al. Regulation of circadian behaviour and metabolism by synthetic REV-ERB agonists. Nature 485, 62-68 (2012).

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

Super 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, 08/29/2019

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