



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) 

AR A014418

GSK-3 kinase inhibitor
Catalog No. SIH-492



Discovery through partnership | Excellence through quality

Overview

Product Name

AR A014418

Description

GSK-3 kinase inhibitor

Purity

>95% (HPLC)

CAS No.

487021-52-3

Molecular Formula

C11H11NO1S

Molecular Weight

308.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO, methanol, 100% ethanol or ethyl acetate

Source

Synthetic

Appearance

White to off-white solid

SMILES

COC1=CC=C(C=C1)CNC(=O)NC2=NC=C(S2)[N+](=O)[O-]

InChI

InChI=1S/C12H12N4O4S/c1-20-9-4-2-8(3-5-9)6-13-11(17)15-12-14-7-10(21-12)16(18)19/h2-5,7H,6H2,1H3,(H2,13,14,15,17)

InChIKey

YAEMHJKFIIIULI-UHFFFAOYSA-N

Safety Phrases

Classification:

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

Specific target organ toxicity -single exposure (Category 3), Respiratory system, H335

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Hazard statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

P321 Specific treatment (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

AR A014418 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-492)

Biological Description

Alternative Names

N-(4-Methoxybenzyl)-N'-(5-nitro-1,3-thiazol-2-yl)urea

Research Areas

Cancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

PubChem ID

448014

Scientific Background

AR A014418 is a highly selective glycogen synthase kinase 3 (GSK-3) inhibitor. GSK-3 is a serine/threonine kinase that has been

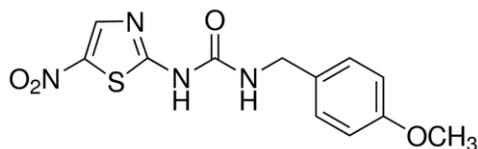
implicated in pathological conditions such as diabetes and Alzheimer's disease. AR A014418 is cell permeable.

References

1. Bhat R.V., & Budd S.L. (2002) Neuro-Signals. 11(5): 251261.
 2. Gould T.D., Einat H., Bhat R., & Manji H.K. (2004) Int. J. Neuropsychopharmacology (CINP). 7(4): 387390.
-

Product Images

Chemical structure of AR A014418 (SIH-492), a GSK-3 kinase inhibitor. CAS #: 487021-52-3. Molecular Formula: C₁₂H₁₂N₄O₄S. Molecular Weight: 308.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.