



# 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

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10074-  
G5

c-Myc inhibitor  
Catalog No. SIH-609



Discovery through Partnership | Excellence through Quality

## Product Name

10074-G5

## Description

c-Myc inhibitor

## Purity

>98% (TLC); NMR (Conforms)

## CAS No.

413611-93-5

## Molecular Formula

$C_{18}H_{12}N_4O_3$

## Molecular Weight

332.3

## Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

## Properties

### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

May be dissolved in DMSO (40 mg/ml)

## Source

Synthetic

## Appearance

Orange powder

## SMILES

C1=CC=C(C=C1)C2=CC=CC=C2NC3=CC=C(C4=NON=C34)[N+](=O)[O-]

## InChI

InChI=1S/C18H12N4O3/c23-22(24)16-11-10-15(17-18(16)21-25-20-17)19-14-9-5-4-8-13(14)12-6-2-1-3-7-12/h1-11,19H

## InChIKey

KMJPYSQOCBYMCF-UHFFFAOYSA-N

## Safety Phrases

Classification: Danger. Hazard Statements

H301 (100%): Toxic if swallowed [Danger Acute toxicity, oral]

H315 (100%): Causes skin irritation [Warning Skin corrosion/irritation]

H319 (100%): Causes serious eye irritation [Warning Serious eye damage/eye irritation]

H335 (100%): May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation]

Precautionary Statement Codes:

P261, P264, P264+P265, P270, P271, P280, P301+P316, P302+P352, P304+P340, P305+P351+P338, P319, P321, P330, P332+P317, P337+P317, P362+P364, P403+P233, P405, and P501

## Cite This Product

10074-G5 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-609)

## Biological Description

### Alternative Names

7-Nitro-N-(2-phenylphenyl)-2,1,3-benzoxadiazol-4-amine

### Research Areas

Alzheimer's Disease, Amyloid, Epitope Tags, Myc Tag, Neurodegeneration, Neuroscience, Tags and Cell Markers

### PubChem ID

2836600

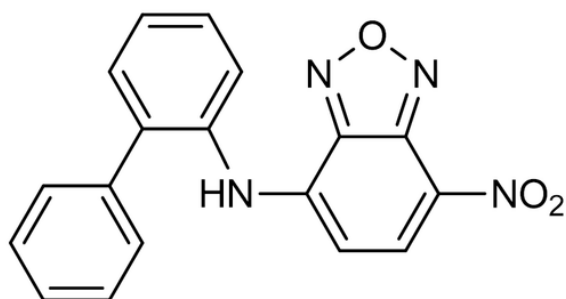
### Scientific Background

10074-G5 binds to and distorts the bHLH-ZIP domain of c-Myc, thereby inhibiting c-Myc/Max heterodimer formation and inhibiting its transcriptional activity (1). 10074-G5 is capable of binding and sequestering the intrinsically disordered amyloid- $\beta$  (A $\beta$ ) peptide in its monomeric, soluble state. Our analysis reveals that this compound interacts with A $\beta$  and inhibits both the primary and secondary nucleation pathways in its aggregation process (2).

## References

1. Follis A.V. et al. (2008) Chem. Biol. 15: 1149. 2. Heller G.T. (2020) ScienceAdvances. 6(45): DOI: 10.1126/sciadv.abb5924.

## Product Images



Chemical structure of 10074-G5 (SIH-609), a c-Myc inhibitor. CAS #: 413611-93-5. Molecular Formula: C<sub>18</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>. Molecular Weight: 332.3 g/mol.

## Product Citations (0)

Currently there are no citations for this product.

## Reviews

There are no reviews yet.