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

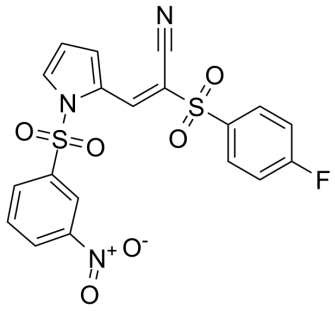
linkedin.com/company/szaboscandic

AMZ30

Cat. No.:	HY-12833
CAS No.:	1313613-09-0
Molecular Formula:	$C_{19}H_{12}FN_3O_6S_2$
Molecular Weight:	461.44
Target:	Others
Pathway:	Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (216.71 mM; Need ultrasonic)

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	2.1671 mL	10.8356 mL	21.6713 mL
5 mM	0.4334 mL	2.1671 mL	4.3343 mL
10 mM	0.2167 mL	1.0836 mL	2.1671 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AMZ30 is a selective, covalent inhibitors of protein phosphatase methylesterase-1(PME-1; IC50=600 nM); selectively inactivates PME-1 and reduces the demethylated form of PP2A in living cells.IC50 value: 600 nM [1]Target: PME-1 inhibitorin vitro: AMZ30 showed substantially improved inhibition of PME-1 (IC50 value of 600 nM) with more than 100-fold selectivity relative to other SHs in human cell lysates. Incubation of HEK 293T cells with a concentration range of AMZ30 generated an in situ IC50 value for PME-1 inhibition of 3.5 μM as determined by gel-based ABPP without any observed cross-reactivity with other SHs even at 100 μM compound. Treatment of HEK 293T cells stably overexpressing PME-1 with 28 (20 μM) caused an ~80% reduction in the levels of demethylated PP2A [1].

CUSTOMER VALIDATION

- Front Aging Neurosci. 2018 Jun 8;10:173.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Bachovchin DA, et al. Discovery and optimization of sulfonyl acrylonitriles as selective, covalent inhibitors of protein phosphatase methylesterase-1. J Med Chem. 2011 Jul 28;54(14):5229-36.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA