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

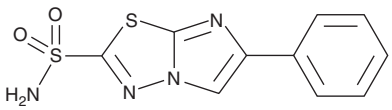
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

AEG 3482

Item No. 26213

CAS Registry No.: 63735-71-7
Formal Name: 6-phenyl-imidazo[2,1-b]-1,3,4-thiadiazole-2-sulfonamide
MF: $C_{10}H_8N_4O_2S_2$
FW: 280.3
Purity: ≥98%
UV/Vis.: λ_{max}: 258 nm
Supplied as: A crystalline 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

AEG 3482 is supplied as a crystalline solid. A stock solution may be made by dissolving the AEG 3482 in the solvent of choice. AEG 3482 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of AEG 3482 in ethanol is approximately 0.2 mg/ml and approximately 17 mg/ml in DMSO and DMF.

Description

AEG 3482 is an inhibitor of $p75^{NTR}$- and NRAGE-induced apoptosis.[1] It inhibits JNK signaling, caspase-3 cleavage, and cell death induced by the p75 neurotrophin receptor ($p75^{NTR}$) or the $p75^{NTR}$-interacting protein NRAGE in $PC12^{rtTA}$ cells in a concentration-dependent manner. AEG 3482 inhibits cell death induced by withdrawal of nerve growth factor (NGF) in rat SCG neurons (EC_{50} = ~20 µM). It also increases Hsp70 and Hsp25 levels in mouse embryonic fibroblasts (MEFs) in an HSF1-dependent manner and binds to recombinant Hsp90.

Reference

1. Salehi, A.H., Morris, S.J., Ho, W.C., *et al.* AEG3482 is an antiapoptotic compound that inhibits Jun kinase activity and cell death through induced expression of heat shock protein 70. *Chem. Biol.* **13(2)**, 213-223 (2006).

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