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

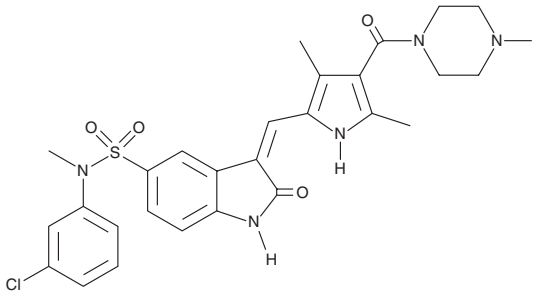
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

SU11274

Item No. 14861

CAS Registry No.: 658084-23-2
Formal Name: (3Z)-N-(3-chlorophenyl)-3-[[3,5-dimethyl-4-[(4-methyl-1-piperazinyl)carbonyl]-1H-pyrrol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo-1H-indole-5-sulfonamide
Synonym: Met Kinase Inhibitor
MF: $C_{28}H_{30}ClN_5O_4S$
FW: 568.1
Purity: ≥95%
UV/Vis.: λ_{max}: 300, 439 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

SU11274 is supplied as a crystalline solid. A stock solution may be made by dissolving the SU11274 in the solvent of choice. SU11274 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of SU11274 in these solvents is approximately 0.25, 11, and 20 mg/ml, respectively.

SU11274 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, SU11274 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. SU11274 has a solubility of approximately 0.20 mg/ml in a 1:4 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

MET is a proto-oncogene which encodes the hepatocyte growth factor receptor c-Met. It has normal roles in morphogenesis, migration, apoptosis, and angiogenesis.[1] Dysregulation of c-Met occurs in many types of cancer.[1] SU11274 is a potent, selective, ATP-competitive inhibitor of c-Met (IC_{50} = 20 nM).[2] It has much less or no activity against other receptor tyrosine kinases.[2] SU11274 induces apoptosis and cell cycle arrest in transformed Ba/F3 cells and cancer cell lines.[2,3]

References

1. Mughal, A., Aslam, H.M., Sheikh, A., *et al*. c-Met inhibitors. *Infect. Agent. Cancer* **8**, 13 (2013).
2. Sattler, M., Pride, Y.B., Ma, P., *et al*. A novel small molecule Met inhibitor induces apoptosis in cells transformed by the oncogenic TPR-MET tyrosine kinase. *Cancer Res.* **63(17)**, 5462-5469 (2003).
3. Seiwert, T.Y., Jagadeeswaran, R., Faoro, L., *et al*. The MET receptor tyrosine kinase is a potential novel therapeutic target for head and neck squamous cell carcinoma. *Cancer Res.* **69(7)**, 3021-3031 (2009).

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