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

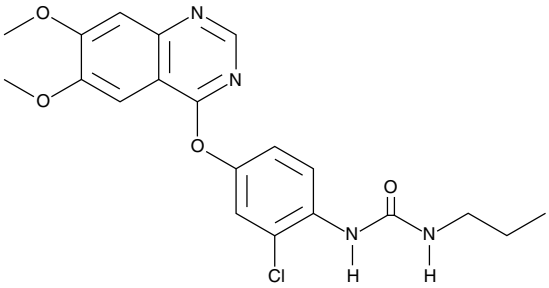
linkedin.com/company/szaboscandic

Product Information

KRN 633

Item No. 14871

CAS Registry No.: 286370-15-8
Formal Name: N-[2-chloro-4-[(6,7-dimethoxy-4-quinazolinyl)oxy]phenyl]-N'-propyl-urea
MF: $C_{20}H_{21}ClN_4O_4$
FW: 416.9
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 210, 242, 320 nm



Laboratory Procedures

For long term storage, we suggest that KRN 633 be stored as supplied at -20°C. It should be stable for at least two years.

KRN 633 is supplied as a crystalline solid. A stock solution may be made by dissolving the KRN 633 in the solvent of choice. KRN 633 is soluble in organic solvents such as DMSO and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of KRN 633 in these solvents is approximately 0.3 and 10 mg/ml, respectively.

KRN 633 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, KRN 633 should first be dissolved in DMF and then diluted with the aqueous buffer of choice. KRN 633 has a solubility of approximately 0.25 mg/ml in a 1:3 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

KRN 633 is an ATP-competitive inhibitor of VEGFR kinase activity (IC_{50}s = 170, 160, and 125 nM for VEGFR1, 2, and 3, respectively).[1] At higher concentrations KRN 633 inhibits PDGFR-α and c-KIT with IC_{50} values of 0.97 and 4.3 µM, respectively, and is inactive towards a panel of 17 additional kinases.[1] KRN 633 suppresses VEGF-dependent activation of MAPK and cell proliferation and demonstrates antitumor and antiangiogenic activity by inhibiting vessel formation and vascular permeability in human tumor xenograft models.[2]

References

1. Fedorov, O., Marsden, B., Pogacic, V., *et al.* A systematic interaction map of validated kinase inhibitors with Ser/Thr kinases. *Proc. Natl. Acad. Sci. USA* **104(51)**, 20523-20528 (2007).
2. Nakamura, K., Yamamoto, A., Kamishohara, M., *et al.* KRN633: A selective inhibitor of vascular endothelial growth factor receptor-2 tyrosine kinase that suppresses tumor angiogenesis and growth. *Mol. Cancer Ther.* **3(12)**, 1639-1649 (2004).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/14871

Cayman Chemical

Mailing address
1180 E. Ellsworth Road
Ann Arbor, MI
48108 USA

Phone
(800) 364-9897
(734) 971-3335

Fax
(734) 971-3640

E-Mail
custserv@caymanchem.com

Web
www.caymanchem.com