

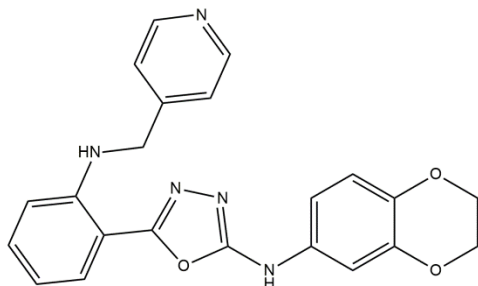
VEGFR-2 & tubulin inhibitor

10/19

ALTERNATE NAMES: (2,3-Dihydro-benzo[1,4]dioxin-6-yl)-(5-{2-[(pyridin-4-ylmethyl)-amino]-phenyl}-[1,3,4]oxadiazol-2-yl)-amine; Dual VEGFR-2 and tubulin inhibitor

CATALOG #: B2932-5 5 mg
B2932-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₁₉N₅O₃

MOLECULAR WEIGHT: 401.42

CAS NUMBER: 830333-53-4

APPEARANCE: Solid

PURITY: 95%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: VEGFR-2 and tubulin inhibitor inhibits polymerization of tubulin with an IC₅₀ of 1.1 μM. It inhibits the receptor tyrosine kinase VEGFR-2 *in vitro* and VEGFR-2 in cells with an IC₅₀ of 0.21 μM and 0.11 μM respectively. It shows an EC₅₀ of 9 nM for causing G2/M arrest in A431 cells. Mice treated with this inhibitor show less toxicity and normal pathology.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Chekler, E.L., Kiselyov, A.S., Ouyang, X., et al. Discovery of Dual VEGFR-2 and Tubulin Inhibitors with *In Vivo* Efficacy. ACS Med Chem Lett. 1(9):488-92 (2010).

RELATED PRODUCTS:

INH6 (Cat. No. B2907)
 Sulfatinib (Cat. No. B2466)
 Vinblastine Sulfate (Cat. No. 1959)
 Paclitaxel (Cat. No. 1567)
 Tivozanib (Cat. No. B1545)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**