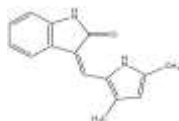


PRODUCT: SU-5416**ALTERNATE NAME:** 3-[(3,5-Dimethyl-1*H*-pyrrol-2-yl)methylene]-1,3-dihydro-2*H*-indol-2-one; Semaxinib**CATALOG #:** 9491-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₅H₁₄N₂O**MOLECULAR WEIGHT:** 238.28**CAS NUMBER:** 204005-46-9**APPEARANCE:** Orange solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light

DESCRIPTION: SU-5416 is a potent tyrosine kinase inhibitor best known as an inhibitor of the vascular endothelial growth factor receptor (VEGFR-2; Flk-1/KDR). In addition to inhibiting VEGFR-2 (IC₅₀ = 1 μM), SU-5416 also inhibits PDGFR (IC₅₀ = 20 μM), c-Kit (IC₅₀ = 30 nM), RET (IC₅₀ = 170 nM), Flt-3 (IC₅₀ = 160 nM), ABL (IC₅₀ = 11 μM), and ALK (IC₅₀ = 1.2 μM). SU 5416 does not inhibit epidermal growth factor (EGFR) or fibroblast growth factor receptor (FGFR) tyrosine kinases (IC₅₀ > 100 μM). Acts as a suppressor of tumor vascularization, preventing the growth of multiple tumor types.

REFERENCES: Fong, T.A.T., *et al.* (1999). *Cancer Res.* **59**, 99-106.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

A83-01 (Cat. No. 1725-1)
 ABT-869 (Cat. No. 1615-1,5)
 Axitinib (Cat. No. 1581-5, 25)
 BIBW2992 (Cat. No. 1616-1,5)
 BMS-599626 (Cat. No. 1614-1,5)
 Bosutinib (Cat. No. 1584-5, 25)
 Canertinib (Cat. No. 1617-5)
 Cediranib (Cat. No. 1613-1,5)
 CP-690550 (Cat. No. 1622-5,25)
 Crizotinib (Cat. No. 1934-5, 25)
 Dasatinib (Cat. No. 1586-25, 100)
 Emodin (Cat. No. 1875-25, 100)
 Enzastaurin (LY317615)(Cat. No. 1619-1,5)
 Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)
 EZSolution™ Staurosporine (Cat. No. 1745-01)
 Gefitinib (Cat. No. 1589-5,25)
 Genistein (Cat. No. 1533-10, 100)
 Go 6976 (Cat. No. 1711-500)
 Imatinib Mesylate (Cat. No. 1625-100, 1000)
 Lapatinib Ditosylate (Cat. No. 1624-25,100)
 Nilotinib (Cat. No. 1750-25, 100)
 PD 153035, Hydrochloride (Cat. No. 1656-2)
 PD173074 (Cat. No. 1675-1)
 Saracatinib (Cat. No. 1582-5, 25)
 SB-431542 (Cat. No. 1674-1)
 Sorafenib (Cat. No. 1594-5, 25)
 Staurosporine (Cat. No. 1048-01,1)
 Tamoxifen Citrate (Cat. No. 1551-1000)
 SU 1498 (Cat. No. 1836-1,5)
 SU-5402 (Cat. No. 1645-05)
 Sunitinib Malate (Cat. No. 1611-100, 1000)
 Tyrphostin AG 1295 (Cat. No. 1571-5)
 Tyrphostin AG 490 (Cat. No. 1570-5)
 Vandetanib (Cat. No. 1751-25, 100)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**