

Catalog # 10-1078

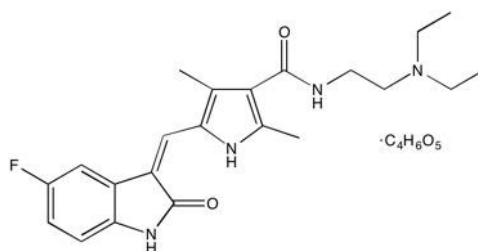
Sunitinib malate

CAS# 341031-54-7

SU-11248

N-[2-(Diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide malate

Lot # X102921



A potent inhibitor of multiple receptor tyrosine kinases including VEGFR, PDGFR β and Kit (K_i = 2-17 nM)¹. Also inhibits cFMS (IC_{50} =7 nM)² and FLT3³. Potent inhibitor of angiogenesis⁴. Clinically useful anticancer agent. Cell permeable.

- 1) Deeks *et al.* (2006), *Sunitinib*; *Drugs*, **66** 2255
- 2) Guo *et al.* (2006), *Inhibition of phosphorylation of the colony-stimulating factor-1 receptor (c-Fms) tyrosine kinase in transfected cells by ABT-869 and other tyrosine kinase inhibitors* *Mol. Cancer. Ther.*, **5** 1007
- 3) O'Farrell *et al.* (2003), *SU11248 is a novel FLT3 yrosine kinase with potent activity in vitro and in vivo*; *Blood* **101** 3597
- 4) Roskoski *et al.* (2007), *Sunitinib: a EGF and PDGF receptor protein kinase and angiogenesis inhibitor*; *Biochem. Biophys. Res. Commun.*, **356** 323

PHYSICAL DATA

Molecular Weight:	532.57
Molecular Formula:	C ₂₂ H ₂₇ FN ₄ O ₂ · C ₄ H ₆ O ₅
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 13 mg/ml with warming)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.