

Product Name: Toceranib

Catalog No.: 3909

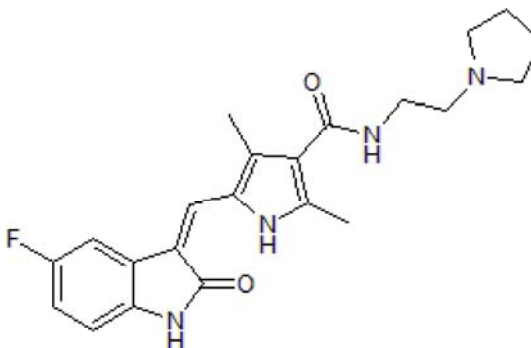
Batch No.: 2

CAS Number: 356068-94-5

IUPAC Name: 5-[(Z)-(5-Fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-N-[2-(1-pyrrolidiny)ethyl]-1H-pyrrole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₂H₂₅FN₄O₂·½H₂O
Batch Molecular Weight: 405.47
Physical Appearance: Orange solid
Solubility: DMSO to 10 mM with gentle warming
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.17	6.46	13.82
Found	65.22	6.45	13.79

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent ATP-competitive PDGFR and VEGFR inhibitor ($K_i = 5$ and 6 nM, respectively); inhibits phosphorylation of c-Kit and suppresses the growth of mast cell lines expressing mutant Kit, inducing cell cycle arrest and apoptosis. Also inhibits FGFR1 ($K_i = 0.5$ μ M). Effective in vivo.

Physical and Chemical Properties:

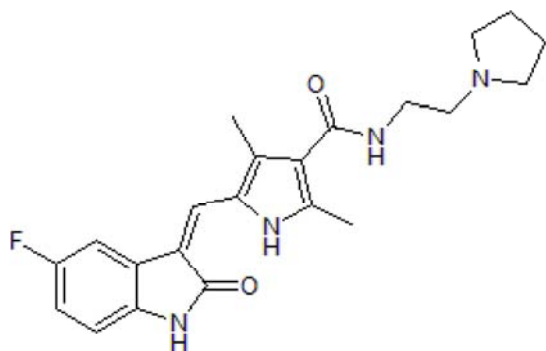
Batch Molecular Formula: $C_{22}H_{25}FN_4O_2 \cdot \frac{1}{2}H_2O$

Batch Molecular Weight: 405.47

Physical Appearance: Orange solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at $-20^{\circ}C$

Solubility & Usage Info:

DMSO to 10 mM with gentle warming

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a $45-60^{\circ}C$ water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at $-20^{\circ}C$ or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:

Sold for research purposes under agreement from Pfizer.

References:

Liao *et al* (2002) Inhibition of constitutively active forms of mutant kit by multitargeted indolinone tyrosine kinase inhibitors. *Blood*. **100** 585. PMID: 12091352.

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