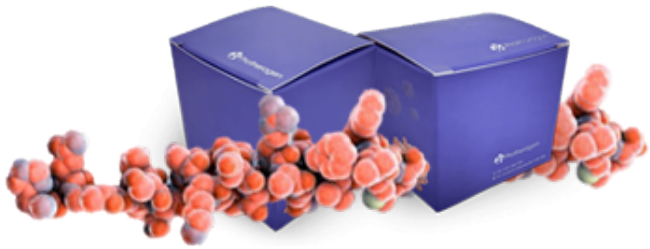
Protheragen Obesity



Semaxanib (SU5416)

Cat. No.:	OB0225WX-2525
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 10 mg; 50 mg; 100 mg; 1 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Semaxanib (SU5416) is a selective VEGFR (Flk-1/KDR) inhibitor with an IC50 of 1. 23 micromolar, demonstrating 20-fold selectivity over PDGFR-beta and no activity against EGFR or FGFR.
Synonym	Semaxinib; 204005-46-9; Semaxanib; SU5416; SU 5416; Semoxind; SU-5416; Semaxanib (SU5416); TSU 16; (*Z*)-3-((3,5-dimethyl-1H-pyrrol-2-yl)methylene)indolin- 2-one; (3*Z*)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1H-indol-2-one; NSC-696819; VEGFR2 Kinase Inhibitor III; (*Z*)-SU 5416; (3*Z*)-3-[(3,5 -dimethyl-1H-pyrrol-2-yl)methylidene]-1,3-dihydro-2H-indol-2-one; 2H-Indol-2-one , 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-; 3-(1-(3,5-Dimethyl-1H -pyrrol-2-yl)meth-(*Z*)-ylidene)-2-oxo-2,3-dihydroindole; 3-[(2,4-Dimethylp yrrol-5-yl)methylidenyl]-2-indolinon; 3-((*Z*)-(3,5-Dimethylpyrrol-2-yl)met hylene)-2-indolinone; 3-((3,5-dimethyl-1H-pyrrol-2-yl)methylene)indolin-2-one; S emaxnib; Sugen 5416; Z-Semaxanib; 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1 ,3-dihydro-2H-indol-2-one; 1,3-Dihydro-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-2H-indol-2-one; 3-(2,4-dimethylpyrrol-5-yl)methylidene-indolin-2-one; H-Indol- 2-one, 3-((3,5-dimethyl-1H-pyrrol-2-yl)methylene)-1,3-dihydro-; 3-[1-(3,5-dimeth yl-1h-pyrrol-2-yl)-meth-(z)-ylidene]-2-oxo-2,3-dihydro-indole
CAS No.	204005-46-9
Compound CID	5329098
Formula	$C_{15}H_{14}N_2$

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
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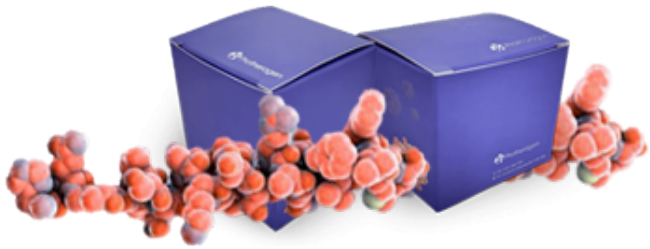

Formula Weight	238.28

Specification

IUPAC Name	(3*Z*)-3-[(3,5-Dimethyl-1*H*-pyrrol-2-yl)methylidene]-1*H*-indol- 2-one
InChI	InChI=1S/C15H14N2O/c1-9-7-10(2)16-14(9)8-12-11-5-3-4-6-13(11)17-15(12)18/h3-8,16H,1-2H3,(H,17,18)/b12-8-
InChI Key	WUWDLXZGHZSWQZ-WQLSENKSSA-N
SMILES string	CC1=CC(=C(N1)/C=C\2/C3=CC=CC=C3NC2=O)C
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Semaxanib (SU5416) is utilized in vascular biology as a potent VEGFR tyrosine ki nase inhibitor to study the disruption of VEGF-dependent endothelial cell signal ing and tumor-induced vessel growth.

Library Information

Target	VEGFR
Receptor	VEGFR
Pathways	Protein tyrosine kinase
Plate Number	L6700-04
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	17 mg/mL; 71.34 mM
Ethanol Max Solubility	2 mg/mL
ALogP	2.747
HBA_Count	1
HBD_Count	2
Rotatable Bond	1

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