



Sunitinib (SU11248) malate

Cat. No.:	OB0225WX-2389
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	10 mg; 50 mg; 100 mg; 500 mg; 1 g

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

Product Overview

Description	Sunitinib (SU11248) malate is a broad-spectrum RTK inhibitor targeting VEGFR2 and PDGFR-beta (IC50: 80 nM and 2 nM) that also suppresses c-Kit and inhibits Irf1 -alpha autophosphorylation.
Synonym	341031-54-7; Sunitinib malate; Sutent; SU011248 L-malate salt; Sunitinib L-malate; SU010398; SU-011248 L-malate salt; SU 011248; Sunitinib (Malate); SU-010398; MFCD08282795; (Z)-N-(2-(diethylamino)ethyl)-5-((5-fluoro-2-oxo-1H-indol-3-ylidene)methyl)-2,4-dimethyl-1H-pyrrole-3-carboxamide (S)-2-hydroxy succinate; SU011248; N-[2-(diethylamino)ethyl]-5-[(Z)-(5-fluoro-2-oxo-1H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide; (2S)-2-hydroxybutanedioic acid; (2S)-2-hydroxybutanedioic acid; N-[2-(diethylamino)ethyl]-5-[[[(3Z)-5-fluoro-2-oxo-2,3-dihydro-1H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide; 1H-Pyrrole-3-carboxamide, N-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-, (2S)-hydroxybutanedioate (1:1); 1H-Pyrrole-3-carboxamide, N-[2-(diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-, (2S)-hydroxybutanedioate (1:1); 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 (2S)-2-hydroxybutanedioic acid (1:1) salt
CAS No.	341031-54-7
Compound CID	6456015
Formula	C ₂₂ H ₂₇ FN ₄ O ₂ ·C ₄ H ₆ O ₅



Formula Weight 532.56

Specification

IUPAC Name	<i>N</i> -[2-(Diethylamino)ethyl]-5-[(<i>Z</i>)-(5-fluoro-2-oxo-1 <i>H</i> -indol-3-ylidene)methyl]-2,4-dimethyl-1 <i>H</i> -pyrrole-3-carboxamide;(2 <i>S</i>)-2-hydroxybutanedioic acid
InChI	InChI=1S/C22H27FN4O2.C4H6O5/c1-5-27(6-2)10-9-24-22(29)20-13(3)19(25-14(20)4)12-17-16-11-15(23)7-8-18(16)26-21(17)28;5-2(4(8)9)1-3(6)7/h7-8,11-12,25H,5-6,9-10H2,1-4H3,(H,24,29)(H,26,28);2,5H,1H2,(H,6,7)(H,8,9)/b17-12-;/t;2-/m.0/s1
InChI Key	LBWFXVZLPYTWQI-IPOVEDGCSA-N
SMILES string	<chem>CCN(CC)CCNC(=O)C1=C(NC(=C1C)/C=C\2/C3=C(C=CC(=C3)F)NC2=O)C.C([C@@H](C(=O)O)O)C(=O)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Sunitinib (SU11248) malate is utilized in translational research to study the multi-targeted inhibition of receptor tyrosine kinases and its efficacy in restricting tumor nutrient supply and cellular metastasis.

Library Information

Target	c-Kit; IRE1; PDGFR; VEGFR
Receptor	c-Kit; IRE1; PDGFR; VEGFR
Pathways	Protein tyrosine kinase
Plate Number	L6700-01
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	15 mg/mL; 28.17 mM
ALogP	-1.049
HBA_Count	4
HBD_Count	4
Rotatable Bond	10