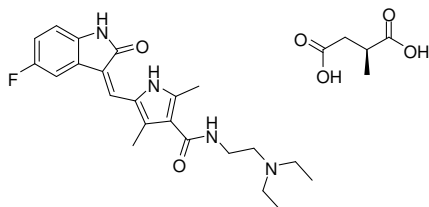




Certificate of Analysis

Axon Catalogue ID: 1398 **Batch Number:** 3
Product Name: Sunitinib malate
Alternative Name(s): SU 11248; Sutent
IUPAC Name: (Z)-N-(2-(Diethylamino)ethyl)-5-((5-fluoro-2-oxindolin-3-ylidene)methyl)-2,4-dimethyl-1H-pyrrole-3-carboxamide (S)-2-methylsuccinate

Structure:



Amount:

CAS number(s): 557795-19-4 (parent), 341031-54-7 (malate (1:1))
Molecular Formula: C₂₂H₂₇N₄O₂.C₅H₈O₄ **Molecular Weight:** 530.59
Batch Molecular Formula: C₂₂H₂₇N₄O₂.C₅H₈O₄.H₂O **Batch Molecular Weight:** 548.60
Appearance: Yellow solid **Observed mp:** 187 - 189 °C
TLC (R_f): 0.38 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 99.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.11, H 6.80, N 10.21; Found: C 58.71, H 6.40, N 10.64
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	8.0	14.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.0	51.0	
	EtOH	0.0	0.0	Insoluble

Remarks: Unstable in solution. It is recommended to prepare fresh solutions for your experiments.

QC Date: 28-2-2023

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only