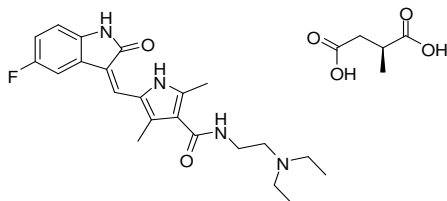




## Certificate of Analysis

**Axon Catalogue ID:** 1398 **Batch Number:** 2  
**Product Name:** Sunitinib malate  
**Alternative Name(s):** SU 11248; Sutent  
**IUPAC Name:** (Z)-N-(2-(Diethylamino)ethyl)-5-((5-fluoro-2-oxoindolin-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:** C<sub>22</sub>H<sub>27</sub>N<sub>4</sub>O<sub>2</sub>.C<sub>5</sub>H<sub>8</sub>O<sub>4</sub> **Molecular Weight:** 530.59  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>27</sub>N<sub>4</sub>O<sub>2</sub>.C<sub>5</sub>H<sub>8</sub>O<sub>4</sub> **Batch Molecular Weight:** 530.59  
**Appearance:** Yellow solid **Observed mp:** 196 - 197°C  
**TLC (R<sub>f</sub>):** ND Salt form  
**Chemical Purity:** 99.3%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 61.12, H 6.65, N 10.56; Found: C ND, H ND, N ND  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	26.0	49.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 1-11-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**