



# Certificate of analysis

Product name: Sunitinib Malate

Cas number: 341031-54-7

Molecular Formula:  $C_{22}H_{27}FN_4O_2 \cdot C_4H_6O_5$

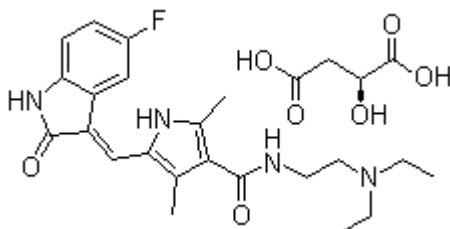
Molecular Weight: 532.56

Date of production: Feb. 18, 2019

Batch NO: 20190218

Exp Date: Feb. 17, 2021

Chemical structure:



Items	Specifications	Results
Appearance	Pale brown to brown powder	Conforms
Identifications	NMR: Spectrum of sample corresponds to that of RS	Conforms
	HPLC: Retention time of sample corresponds to that of RS	Conforms
Loss on drying	$\leq 0.5\%$	0.30%
Residue on Ignition	$\leq 0.2\%$	0.08%
Related Substance	Individual Impurity: $\leq 0.5\%$	0.24%
	Total Impurities: $\leq 2.0\%$	0.50%
Residual Solvents	$\leq 1.0\%$	0.18%
ASSAY	$\geq 98.0\%$	99.5%

**Conclusion: It complies with Enterprise standard**

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F