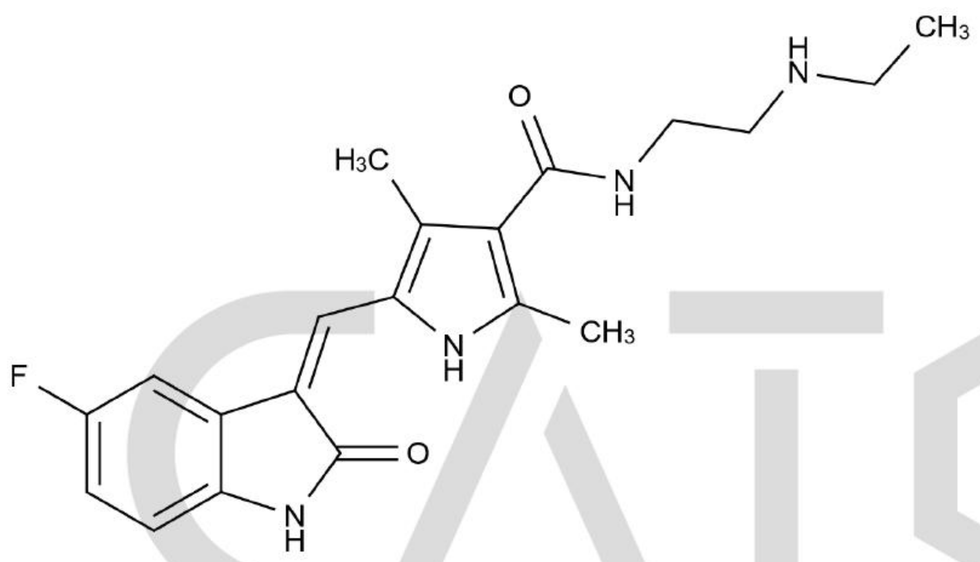
Certificate of Analysis

Reference Material & Standard

Product Name:	Sunitinib Impurity 19	**Catalogue Number:**	C4X-133319
Synonyms:	N/A	**Lot Number:**	0601-RH-0141
CAS Number:	356068-97-8	**Expiry Date:**	Jun 03, 2030
Molecular Formula:	$C_{20}H_{23}FN_4O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	370.42	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.309%
Loss on Drying	TGA	0.1376%
Assay	Mass Balance	99.2%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi Date: Oct 08, 2026

Reviewed by: Lisa Date: Oct 09, 2026

Approved by General Manager: David Date: Oct 09, 2026

CATO Research Chemicals Inc.