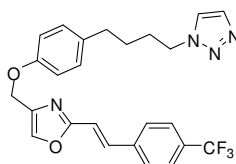




## Certificate of Analysis

**Axon Catalogue ID:** 2053 **Batch Number:** 1  
**Product Name:** TAK 165  
**Alternative Name(s):** Mubritinib  
**IUPAC Name:** 1-[4-[4-[[2-[(1E)-2-[4-(Trifluoromethyl)phenyl]ethenyl]-4-oxazolyl]methoxy]phenyl]but-yl]-1H-1,2,3-triazole

**Structure:**



**Amount:**

**CAS number(s):** 366017-09-6  
**Molecular Formula:** C<sub>25</sub>H<sub>23</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 468.47  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>23</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub> **Batch Molecular Weight:** 468.47  
**Appearance:** White solid **Observed mp:** 159.8 - 160.9 °C  
**TLC (R<sub>f</sub>):** 0.65 DCM/MeOH (9:1)  
**Chemical Purity:** 99.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 64.10, H 4.95, N 11.95; Found: C 63.89, H 4.85, N 12.09  
**Storage Conditions:** Store 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	37.5	80.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 10-4-2024

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**