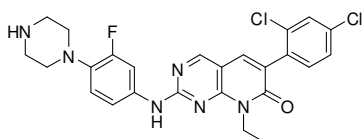




## Certificate of Analysis

**Axon Catalogue ID:** 2331 **Batch Number:** 1  
**Product Name:** FRAX 486  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 6-(2,4-Dichlorophenyl)-8-ethyl-2-(3-fluoro-4-(piperazin-1-yl)phenylamino)pyrido[2,3-d]pyrimidin-7(8H)-one

**Structure:**



**Amount:**

**CAS number(s):** 1232030-35-1  
**Molecular Formula:** C<sub>25</sub>H<sub>23</sub>Cl<sub>2</sub>FN<sub>6</sub>O **Molecular Weight:** 513.39  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>23</sub>Cl<sub>2</sub>FN<sub>6</sub>O.0.25H<sub>2</sub>O **Batch Molecular Weight:** 517.90  
**Appearance:** Yellow solid **Observed mp:** >200 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 57.98, H 4.57, N 16.23; Found: C 57.92, H 4.52, N 16.18

**Storage Conditions:** Store at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	33.3	64.3	
EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 9-9-2020

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**