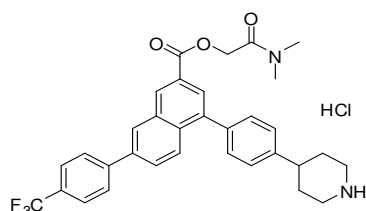




## Certificate of Analysis

**Axon Catalogue ID:** 1958 **Batch Number:** 1  
**Product Name:** P2Y14 Antagonist Prodrug 7j hydrochloride  
**Alternative Name(s):** PPTN Prodrug 7j  
**IUPAC Name:** 2-(Dimethylamino)-2-oxoethyl 4-(4-(piperidin-4-yl)phenyl)-7-(4-(trifluoromethyl)phenyl)-2-naphthoate hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1315308-19-0 (parent), 2108968-42-7 (HCl (1:1))  
**Molecular Formula:** C<sub>33</sub>H<sub>31</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>.HCl **Molecular Weight:** 597.07  
**Batch Molecular Formula:** C<sub>33</sub>H<sub>31</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>.HCl.2H<sub>2</sub>O **Batch Molecular Weight:** 633.10  
**Appearance:** White solid **Observed mp:** 185.5 - 187.0 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH/NH<sub>3</sub> (4:1:0.1)  
**Chemical Purity:** 98.2%  
**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 62.52, H 5.25, N 4.42; Found: C 62.41, H 5.32, N 4.36  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	15.0	23.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	35.0	55.3	
	EtOH			Not Tested

**Remarks:** Contains 3.2% of the drug, which, together with 95.0% of pro-drug, amounts to 98.2% active material.

**QC Date:** 03-04-2019

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**