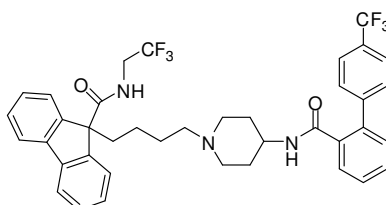


## Certificate of Analysis

**Axon Catalogue ID:** 2917 **Batch Number:** 1  
**Product Name:** Lomitapide  
**Alternative Name(s):** BMS 201038; AEGR-733  
**IUPAC Name:** N-(2,2,2-trifluoroethyl)-9-(4-(4'-(trifluoromethyl)biphenyl-2-ylcarboxamido)piperidin-1-yl)butyl)-9H-fluorene-9-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 182431-12-5  
**Molecular Formula:** C<sub>39</sub>H<sub>37</sub>F<sub>6</sub>N<sub>3</sub>O<sub>2</sub> **Molecular Weight:** 693.72  
**Batch Molecular Formula:** C<sub>39</sub>H<sub>37</sub>F<sub>6</sub>N<sub>3</sub>O<sub>2</sub>.0.75H<sub>2</sub>O **Batch Molecular Weight:** 707.23  
**Appearance:** White solid **Observed mp:** 173 - 175 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 98.1%  
**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 66.23, H 5.49, N 5.94; Found: C 66.36, H 5.41, N 6.03  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	52.0	73.5	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-12-2018

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**