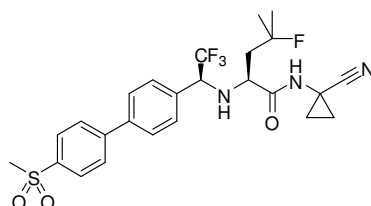




## Certificate of Analysis

**Axon Catalogue ID:** 1771 **Batch Number:** 1  
**Product Name:** MK 0822  
**Alternative Name(s):** Odanacatib  
**IUPAC Name:** (S)-N-(1-Cyanocyclopropyl)-4-fluoro-4-methyl-2-((S)-2,2,2-trifluoro-1-(4'-(methylsulfonyl)biphenyl-4-yl)ethylamino)pentanamide

**Structure:**



**Amount:**

**CAS number(s):** 603139-19-1  
**Molecular Formula:** C<sub>25</sub>H<sub>27</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>S **Molecular Weight:** 525.56  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>27</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>S **Batch Molecular Weight:** 525.56  
**Appearance:** White solid **Observed mp:** 223 - 224 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (19:1)  
**Chemical Purity:** 99.9%  
**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 57.13, H 5.18, N 14.46; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

| <b>Solubility Data:</b> | <b>Solvent</b> | <b>Solubility (mg/ml)</b> | <b>Solubility (mM)</b> | <b>Remarks</b> |
|-------------------------|----------------|---------------------------|------------------------|----------------|
|                         | Water          |                           |                        | Not Tested     |
|                         | 0.1N NaOH (aq) |                           |                        | Not Tested     |
|                         | 0.1N HCl (aq)  |                           |                        | Not Tested     |
|                         | DMSO           | 36.7                      | 69.8                   |                |
|                         | EtOH           |                           |                        | Not Tested     |

**Remarks:**

**QC Date:** 01-08-2018

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**