



Certificate of Analysis

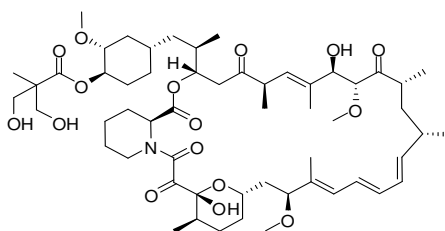
Axon Catalogue ID: 1699 **Batch Number:** 2

Product Name: Temsirolimus

Alternative Name(s): CCI 779; Torisel

IUPAC Name: 42-[3-hydroxy-2-(hydroxymethyl)-2-methylpropanoate]-Rapamycin

Structure:



Amount:

CAS number(s): 162635-04-3

Molecular Formula: C₅₆H₈₇NO₁₆ **Molecular Weight:** 1030.29

Batch Molecular Formula: C₅₆H₈₇NO₁₆·0.5H₂O **Batch Molecular Weight:** 1039.29

Appearance: White solid **Observed mp:** 165 - 166 °C

TLC (R_f): 0.58 DCM/MeOH (9:1)

Chemical Purity: 99.0%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 64.72, H 8.53, N 1.35; Found: C 64.84, H 8.98, N 1.36

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	36.4	35.0	
	EtOH			Not Tested

Remarks:

QC Date: 13-8-2013

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only