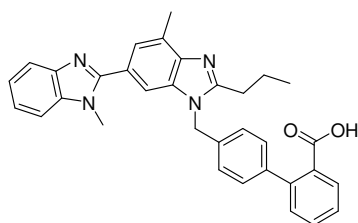




Certificate of Analysis

Axon Catalogue ID: 3103 **Batch Number:** 1
Product Name: Telmisartan
Alternative Name(s): BIBR 277
IUPAC Name: 4'-((1,7'-Dimethyl-2'-propyl-1H,3'H-2,5'-bibenzo[d]imidazol-3'-yl)methyl)biphenyl-2-carboxylic acid

Structure:



Amount:

CAS number(s): 144701-48-4
Molecular Formula: C₃₃H₃₀N₄O₂ **Molecular Weight:** 514.62
Batch Molecular Formula: C₃₃H₃₀N₄O₂ **Batch Molecular Weight:** 514.62
Appearance: White solid **Observed mp:** 271 °C
TLC (R_f): 0.48 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 77.02, H 5.88, N 10.89; Found: C 76.88, H 5.84, N 10.74
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	2.8	5.4	Requires warming at 40°C
	0.1N HCl (aq)	0.8	1.5	Insoluble
	DMSO	3.3	6.4	Sonicate at 40°C
	EtOH			Not Tested

Remarks:

QC Date: 26-03-2020

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only