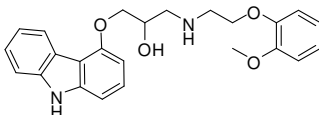




Certificate of Analysis

Axon Catalogue ID: 3456 **Batch Number:** 1
Product Name: Carvedilol
Alternative Name(s): BM14190
IUPAC Name: 1-(9H-Carbazol-4-yloxy)-3-(2-(2-methoxyphenoxy)ethylamino)propan-2-ol

Structure:



Amount:

CAS number(s): 72956-09-3
Molecular Formula: C₂₄H₂₆N₂O₄ **Molecular Weight:** 406.47
Batch Molecular Formula: C₂₄H₂₆N₂O₄ **Batch Molecular Weight:** 406.47
Appearance: White solid **Observed mp:** >115 °C (decomp)
TLC (R_f): 0.34 DCM/MeOH (9:1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.92, H 6.45, N 6.89; Found: C 71.03, H 6.46, N 6.82
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.6	>100 mM	
	EtOH	6.8	16.7	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 13-9-2021

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