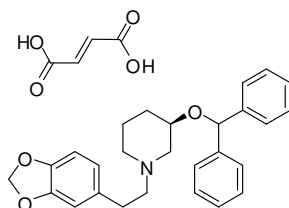




Certificate of Analysis

Axon Catalogue ID: 1273 **Batch Number:** 1
Product Name: Zamifenacin fumarate
Alternative Name(s): UK 76654
IUPAC Name: (R)-3-(Benzhydryloxy)-1-(2-(benzo[d][1,3]dioxol-5-yl)ethyl)piperidine fumarate

Structure:



Amount:

CAS number(s): 127308-82-1 (parent), 127308-98-9 (fumarate (1:1))
Molecular Formula: C₂₇H₂₉NO₃.C₄H₄O₄ **Molecular Weight:** 531.60
Batch Molecular Formula: C₂₇H₂₉NO₃.C₄H₄O₄ **Batch Molecular Weight:** 531.60
Appearance: White solid **Observed mp:** 169.8 - 170.4 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): 100%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.04, H 6.26, N 2.63; Found: C 70.06, H 6.27, N 2.62
Storage Conditions: Store at +4 °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	53.2	>100 mM	
	EtOH	20.0	37.6	

Remarks:

QC Date: 27-02-2018

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only