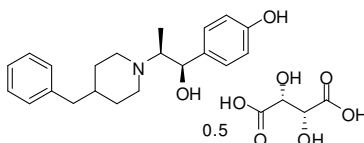




Certificate of Analysis

Axon Catalogue ID: 1156 **Batch Number:** 1
Product Name: Ifenprodil hemitartrate
Alternative Name(s): N.A.
IUPAC Name: 4-((1R*,2S*)-2-(4-Benzylpiperidin-1-yl)-1-hydroxypropyl)phenol hemi-L-(+)-tartrate

Structure:



Amount:

CAS number(s): 23210-56-2 (parent), 23210-58-4 (L(+)-tartrate (2:1))
Molecular Formula: C₂₁H₂₇N₂O₂·0.5C₄H₆O₆ **Molecular Weight:** 400.49
Batch Molecular Formula: C₂₁H₂₇N₂O₂·0.5C₄H₆O₆·0.5H₂O **Batch Molecular Weight:** 409.50
Appearance: White solid **Observed mp:** 147 - 149 °C
TLC (R_f): 0.53 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.46, H 7.63, N 3.42; Found: C 67.74, H 7.81, N 3.42
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	8.0	19.5	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	40.9	>100 mM	
EtOH			Not Tested

Remarks:

QC Date: 12-3-2024

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