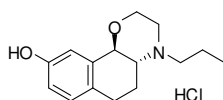




Certificate of Analysis

Axon Catalogue ID: 1071 **Batch Number:** 4
Product Name: (+)-PHNO hydrochloride
Alternative Name(s): Naxagolide; Dopazinol
IUPAC Name: (4aR,10bR)-4-Propyl-3,4,4a,5,6,10b-hexahydro-2H-naphtho[1,2-b][1,4]oxazin-9-ol hydrochloride

Structure:



Amount:

CAS number(s): 88058-88-2 (parent), 99705-65-4 (HCl (1:1))
Molecular Formula: C₁₅H₂₁NO₂.HCl **Molecular Weight:** 283.79
Batch Molecular Formula: C₁₅H₂₁NO₂.HCl **Batch Molecular Weight:** 283.79
Appearance: Light-pink solid **Observed mp:** >260 °C
TLC (R_f): 0.42 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.48, H 7.81, N 4.94; Found: C 63.41, H 7.99, N 5.00
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 20.0 | 70.5 | |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 19.0 | 67.0 | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 10-8-2021

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