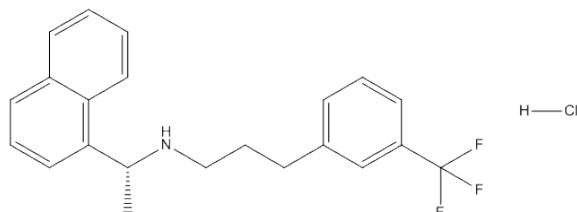


Certificate Of Analysis

Name: Cinacalcet hydrochloride
CAS No.: 364782-34-3
Cat No.: A823266
Molecular Formula: C₂₂H₂₃ClF₃N
Molecular Weight: 393.87
Batch No.: C16112023
Mfg.Date: 2023.11.16
Exp.Date: 2025.11.15



| Items | Specifications | Results |
|--------------------|---|---------------|
| Appearance | White powder | Conforms |
| Purity | 98%(min) | Conforms |
| Identification | The IR spectrum obtained with the sample should be concordant with that obtained with the reference solution. Fluorine identification, blue-violet | Conforms |
| Solubility | soluble in methanol, slightly soluble in toluene, almost insoluble in water. | Conforms |
| Melting point | 177-183°C | 180.2-181.8°C |
| Optical rotation | -24.0-29.0 | -26.0 |
| Total impurities | ≤0.5% | 0.05% |
| Any other impurity | ≤0.15% | 0.05% |
| Impurity A | ≤0.15% | N.D |
| Impurity B | ≤0.15% | N.D |
| Impurity C | ≤0.15% | N.D |
| Impurity D+G | ≤0.15% | N.D |
| Impurity E | ≤0.15% | N.D |
| Impurity F | ≤0.15% | N.D |
| Impurity H | ≤0.15% | N.D |
| Impurity I | ≤0.15% | N.D |

| | | |
|-----------------------------------|--|----------|
| Impurity J | ≤4ppm | N.D |
| Impurity K | ≤4ppm | N.D |
| Methyl Methanesulfonate | ≤4ppm | 0.07ppm |
| Ethyl methanesulfonate | ≤4ppm | 0.10ppm |
| Isopropyl methanesulfonate | ≤4ppm | 0.07ppm |
| Ethanol | ≤0. 5% | N.D |
| Dichloromethane | ≤0.06 | N.D |
| Toluene | ≤0.089% | N.D |
| Triethylamine | ≤0.625% | N.D |
| fluorine | 13.0-14.5% | 13.5% |
| Loss on Drying | ≤0. 5% | 0.04% |
| Chiral isomer | ≤0. 15% | 0.002% |
| Residue on ignition | ≤0. 2% | 0.06% |
| Heavy metal | ≤10ppm | Conforms |
| Conclusion | The product tested complies with the specifications. | |

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

*If you have any comments and suggestions, please contact us by sales@amadischem.com

*For laboratory or manufacturing use only, not for drug, food and household use.