



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203676
Lot Number: SAMPLE
Product Name: (R)-(-)-Niguldipine hydrochloride
CAS Number: 113145-70-3
Molecular Formula: $C_{36}H_{39}N_3O_6 \cdot HCl$
Molecular Weight: 646.18

| Test | Specification | Result |
|-------------------------|---------------|--|
| Appearance | | Yellow solid |
| Identification (1H-NMR) | | Consistent with structure |
| TLC | | Rf = 0.5 (Pyridine: Acetic acid: Water:Butanol [3: 8: 11: 33]) |
| Melting Point | | 150 - 153 °C |
| Optical Rotation | | -14° (c = 1, MeOH) |
| Carbon Content | 65.54% | 65.48% |
| Hydrogen Content | 6.34% | 6.22% |
| Nitrogen Content | 6.36% | 6.35% |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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