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**Certificate of Analysis**

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Product Name: (S)-(+)-Niguldipine hydrochloride  
Cat. No.: GC15292  
Batch No.: 1  
Chemical Name: (S)-3-(3-(4,4-diphenylpiperidin-1-yl)propyl) 5-methyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate hydrochloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 113145-69-0  
Molecular Formula:  $C_{36}H_{39}N_3O_6 \cdot HCl$   
Molecular Weight: 646.18  
Storage: Desiccate at  $-20^{\circ}C$   
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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