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**Certificate of Analysis**

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Product Name: Cyprodime hydrochloride  
Cat. No.: GC13189  
Batch No.: 1  
Chemical Name: (4bR,8aR,9R)-11-(cyclopropylmethyl)-4,8a-dimethoxy-8,8a,9,10-tetrahydro-5H-9,4b-(epiminoethano)phenanthren-6(7H)-one hydrochloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 118111-54-9  
Molecular Formula:  $C_{22}H_{29}NO_3 \cdot HCl$   
Molecular Weight: 391.93  
Storage: Store at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance:  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
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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