

# Certificate of Analysis

## Compound Information

**Product Name:** 1-(11bR)-Dinaphtho[2,1-d:1,2-f][1,3,2]Dioxaphosphopin-4-yl-1,2,3,4-Tetrahydroquinoline  
**CAS No.:** 1360145-09-0  
**Cat. No.:** G8580622  
**Molecular Formula:** C<sub>29</sub>H<sub>22</sub>NO<sub>2</sub>P  
**Molecular Weight:** 447.46

## Batch Information

**Batch No.:** 8057112  
**Test Date:** 2024-05-09  
**Report Date:** 2024-05-10  
**Retest Date:** 2029-11-04  
**Storage:** 2-8°C  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	98%(HPLC),99%ee	99.10%
NMR	Consistent with structure	Consistent with structure
Optical Rotation	-187.3	-189.30

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

