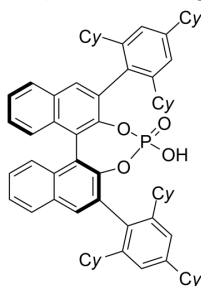


Certificate of Analysis

| | |
|-----------------------|---|
| Product Name: | (11bS)-4-hydroxy-2,6-bis(2,4,6-tricyclohexylphenyl)-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin |
| Cat. No.: | CS-0090554 |
| CAS No.: | 1309446-14-7 |
| Batch No.: | 63629 |
| Chemical Name: | Dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin, 4-hydroxy-2,6-bis(2,4,6-tricyclohexylphenyl)-, 4-oxide, (11bS)- |

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------|--|
| Molecular Formula: | C ₆₈ H ₈₁ O ₄ P |
| Molecular Weight: | 993.34 |
| Storage: | 2-8°C, protect from light, stored under nitrogen |
| Chemical Structure: | |



ANALYTICAL DATA

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥97.0% |
| 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.

Tel: 732-484-9848

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA