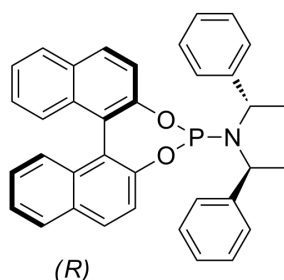


Certificate of Analysis

Product Name:	(11bR)-N,N-Bis[(S)-1-phenylethyl]-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin-4-amine
Cat. No.:	CS-0088034
CAS No.:	209482-28-0
Batch No.:	Lf0427130699

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₃₆ H ₃₀ NO ₂ P
Molecular Weight:	539.60
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 (HPLC):	99.46%
OR[α](C=0.79 g/100ml CHCl₃):	-494.9°
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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