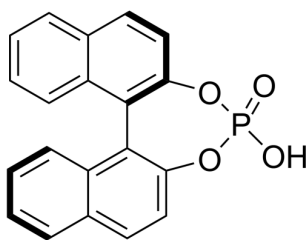


## Certificate of Analysis

### Compound Information

Product Name:	(R)-1,1'-Binaphthyl-2,2'-diyl hydrogenphosphate
Cat. No.:	1031809
CAS No.:	39648-67-4
Molecular Formula:	C <sub>20</sub> H <sub>13</sub> O <sub>4</sub> P
Molecular Weight:	348.29
Chemical Structure:	



### Batch Information

Batch No.:	Ld102120808
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2020-11-05
Retest Date:	2023-11-04
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Enantiomeric Excess:	99.53%
Purity (HPLC):	98.69%
OR(C=0.514 MeOH):	-589.6°
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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