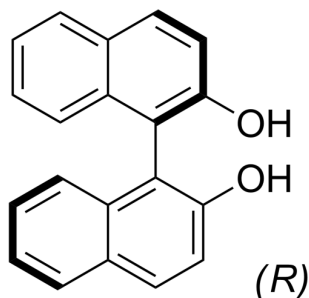


## Certificate of Analysis

### Compound Information

Product Name:	(R)-(+)-BINOL
Cat. No.:	1024343
CAS No.:	18531-94-7
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> O <sub>2</sub>
Molecular Weight:	286.32
Chemical Structure:	



### Batch Information

Batch No.:	Lg0307209461
Storage:	Store at room temperature
Test Date:	2023-03-07
Retest Date:	2028-03-06
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Enantiomeric Excess:	99.61%
Purity (HPLC):	98.64%
Water(KF):	0.08%
OR(C=1.00 g/100ml, THF):	35.0°
Residue on Ignition:	0.10%
Conclusion:	The product has been tested and complies with the given specifications.

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

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai