

Certificate of Analysis

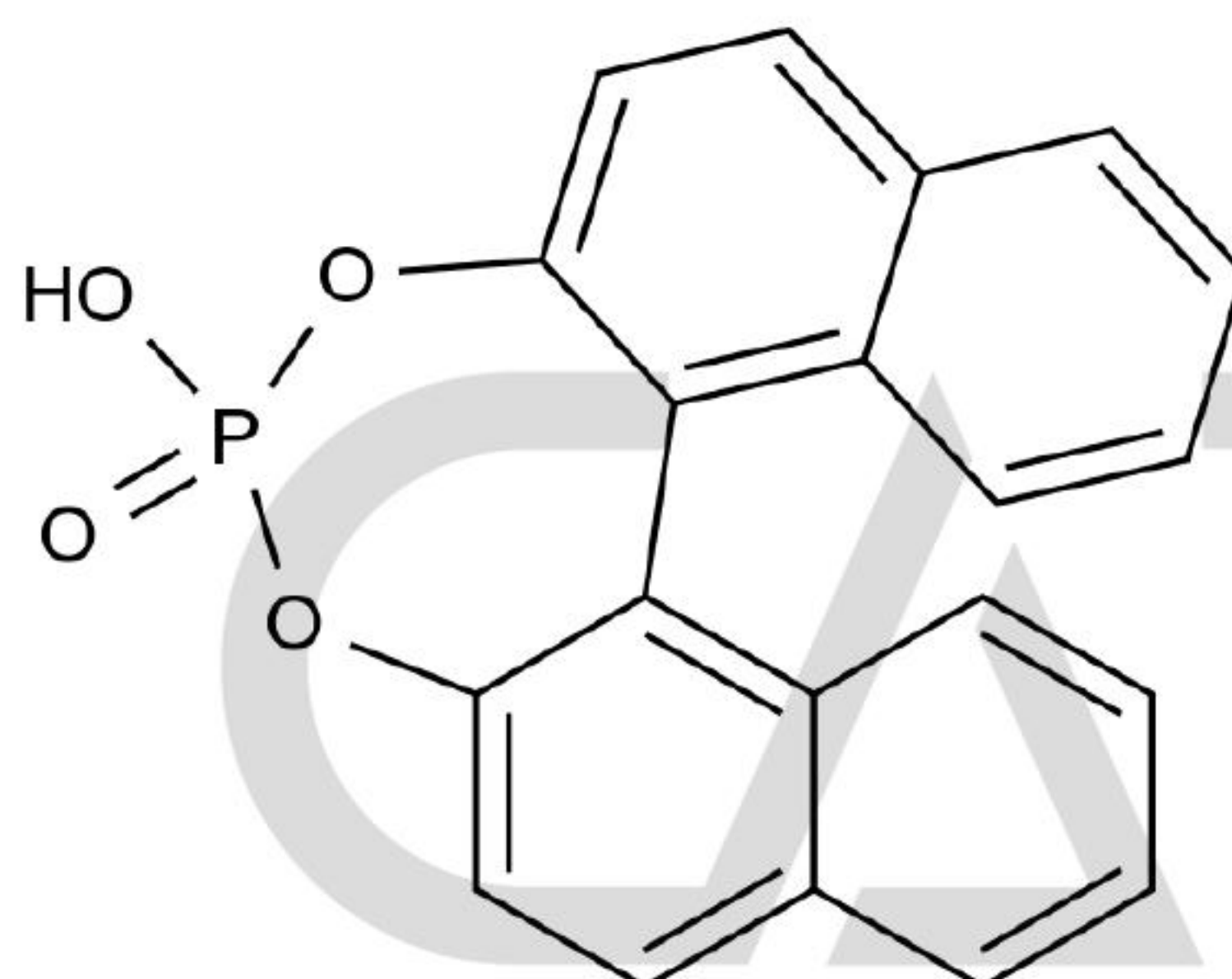
Reference Material & Standard

Product Name:	(R)-1,1'-Binaphthyl-2,2'-diyl Hydrogenphosphate	Catalogue Number:	C1490987
Synonyms:	N/A	Lot Number:	0902-RH-0069
CAS Number:	39648-67-4	Expiry Date:	Sep 07, 2030
Molecular Formula:	C ₂₀ H ₁₃ O ₄ P	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	348.29	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.954%
Loss on Drying	TGA	0.0517%
Assay		99.9%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 08, 2026

Date: Sep 08, 2026

Date: Sep 08, 2026



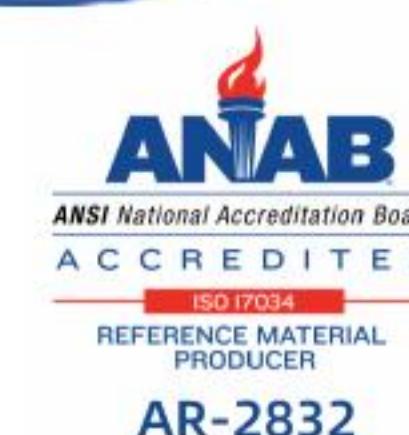
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 7



Official WeChat