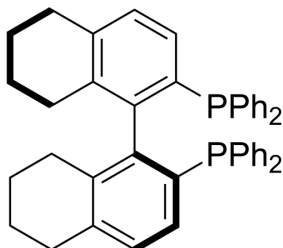


## Certificate of Analysis

<b>Product Name:</b>	(S)-H8-BINAP
<b>Cat. No.:</b>	CS-0086808
<b>CAS No.:</b>	139139-93-8
<b>Batch No.:</b>	Ld0410008
<b>Chemical Name:</b>	Phosphine, 1,1'-[(1S)-5,5',6,6',7,7',8,8'-octahydro[1,1'-binaphthalene]-2,2'-diyl]bis[1,1-diphenyl-

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>40</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	630.74
<b>Storage:</b>	2-8°C, protect from light, stored under nitrogen
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Conclusion:</b>	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