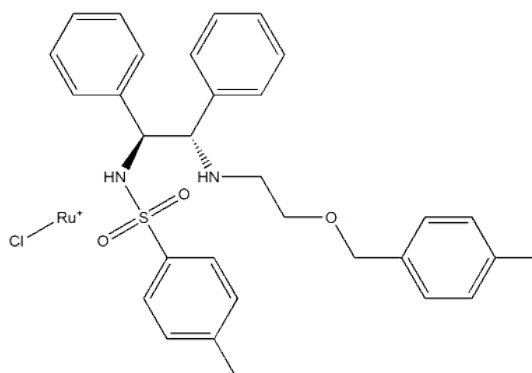


## Certificate Of Analysis

**Name:** (S,S)-Ts-DENEB  
**CAS No.:** 1384974-37-1  
**Cat No.:** A901938  
**Molecular Formula:** C<sub>31</sub>H<sub>33</sub>ClN<sub>2</sub>O<sub>3</sub>RuS  
**Molecular Weight:** 651.2  
**Batch No.:** S19092023  
**Mfg.Date:** 2023.09.19  
**Exp.Date:** 2025.09.18



Items	Specifications	Results
Appearance	Gray to brown solid or powder	Conforms
Purity	97%(min)	Conforms
Optical purity	99%(min)	Conforms
Ru content	12.00%~14.00%	13.07%
Solvent residues	<2.0%	Conforms
Melting point	100.0°C~104.0°C	102.0°C~103.0°C
Water content	<1.00%	0.34%
Conclusion	The product tested complies with the specifications.	

**Storage condition:** Store in a tightly closed container in a cool and dry place.

Checker:

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\*If you have any comments and suggestions, please contact us by [sales@amadischem.com](mailto:sales@amadischem.com)

\*For laboratory or manufacturing use only, not for drug, food and household use.