

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue S681733

Product: (S)-SPINOL

Structure:

OH HO

Lot 2022-AZP-5

Shipping This Product Is Stable To Be **Condition:** Shipped At Room Temperature

CAS 223259-63-0

Synonym: (1S)-2,2',3,3'-Tetrahydro-1,1'-spirobi[1H-

indene]-7,7'-diol; (S)-1,1'-Spirobiindane-7,7'-

diol:

Molecular Formula:

C17H16O2

Molecular weight:

252.31

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

Purity: 97%

Storage Condition: -20°C

2. Warning

Number:

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Off-White to Pale Yellow Solid Pale Yellow Solid

NMR Conforms to Structure Conforms

Elemental Conforms %C: 80.21, %H: 6.42

MS Conforms to Structure Conforms

Specific Rotation Report Result -33.3° (c = 1.0, Chloroform)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By Reviewed By C of A Approved Test Date Retest Date

Nicole Yip Toni Rantanen Chanell Chu 10/13/2022 10/11/2026

VIII Gamell