

## Certificate of Analysis

Date of Testing: 2022-10-15 15:06:02

Date of Next Testing: 2026-10-14 15:06:02

Product Name: (3R,4R)-4-Acetoxy-3-[(R)-(tert-butyldimethylsilyloxy)ethyl]-2-azetidinone

CAS Number: 76855-69-1

Specifications & Purity: ≥98.0%

Lot #: J22111349

SKU #: R160956

Analysis: 105827

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                         | Limit Values             | Result                   |
|-------------------------------------------------------------------|--------------------------|--------------------------|
| Specific Rotation [ $\alpha$ ] <sub>20/D</sub> (c=0.5 in Toluene) | 53-59 (°)                | 57.98°                   |
| Melting point                                                     | 107-110 (°C)             | 108.33000 °C             |
| Purity(HPLC)                                                      | 98-100 (%)               | 99.44500 %               |
| Appearance (R160956)                                              | White Powder or Crystals | White Powder or Crystals |
| Proton NMR spectrum                                               | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager