

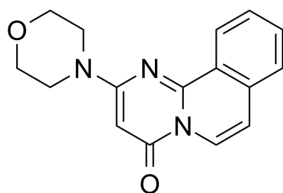
## Certificate of Analysis

**Product Name:** Compound 401  
**Cat. No.:** HY-19341  
**CAS No.:** 168425-64-7  
**Batch No.:** 20679  
**Chemical Name:** 4H-Pyrimido[2,1-a]isoquinolin-4-one, 2-(4-morpholinyl)-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>16</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight:** 281.31  
**Storage:**  
Powder      -20°C      3 years  
                  4°C        2 years  
In solvent   -80°C      6 months  
                  -20°C      1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.97%  
**Conclusion:** 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.**

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