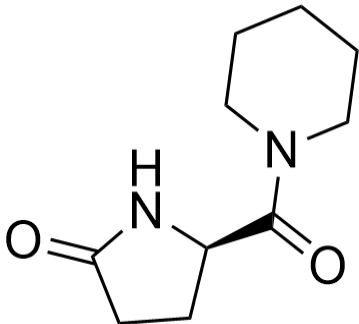


Certificate of Analysis

| | | |
|----------------------|--------------|----------------------------|
| Product Name: | Lot#: | NuMega Reference #: |
| Fasoracetam | 170722 | 2209EURO.764E |

| Chemical Name | |
|---|--|
| (5R)-5-(piperidine-1-carbonyl)pyrrolidin-2-one | |
| Chemical Structure | Theoretical Analysis |
|  | Name: Fasoracetam Lot #: 170722 Chemical Formula: C ₁₀ H ₁₆ N ₂ O ₂ Exact Mass: 196.1212 Molecular Weight: 196.250 |

| | Specifications/ Results |
|-------------------|---|
| Appearance | White Solid |
| Structure | H-1 NMR spectra is consistent with the structure of Fasoracetam. |
| Solubility | Chloroform |
| Conclusion | The NMR and mass spec analysis of the sample is consistent with the structure of Fasoracetam. |

Certified by: Ben Shen
Ben Shen, Ph.D.

Date: 11-23-22