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Certificate of Analysis

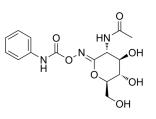
(Z)-PUGNAc

| Cat. No.: | HY-108241 |
|----------------|--|
| CAS No.: | 132489-69-1 |
| Batch No.: | 401650 |
| Chemical Name: | D-Gluconimidic acid, 2-(acetylamino)-2-deoxy-N-[[(phenylamino)carbonyl]oxy]-, δ-lactone, (1Z)- |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | $C_{15}H_{19}N_3O_7$ | | |
|--------------------|----------------------|-------|----------|
| Molecular Weight: | 353.33 | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

Chemical Structure:



ANALYTICAL DATA

| Appearance: | White to light yellow (Solid) |
|------------------------------|---|
| ¹ H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Purity (LCMS): | 99.13% |
| 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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