

# Rexar Technical Compound Datasheet

**Product Name:** Pramiracetam

**Chemical Name:** N-[2-(Diisopropylamino)ethyl]-2-oxo-1-pyrrolidineacetamide

**CAS Number:** 68497-62-1

**PubChem CID:** [4886](#)

## Synonyms:

- CI-879
- Pramistar
- N-[2-(Diisopropylamino)ethyl]-2-oxo-1-pyrrolidineacetamide
- Acronine

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## Chemical Information

**Molecular Formula:** C<sub>14</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>

**Molecular Weight:** 269.38 g/mol

**IUPAC Name:** N-[2-(diisopropylamino)ethyl]-2-(2-oxopyrrolidin-1-yl)acetamide

**SMILES:** CC(C)N(CCN(C(C)C)CC(=O)N1CCCC1=O

**InChIKey:** YIRMGUIDRNXQJZ-UHFFFAOYSA-N

**Appearance:** White to off-white crystalline powder

**Solubility:** Soluble in ethanol, DMSO; slightly soluble in water

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## Applications

- Analytical reference material for pyrrolidone derivatives
- Preclinical and laboratory investigation of racetam compounds
- Chromatographic method development (e.g. HPLC, LC-MS)
- Evaluated for effects on acetylcholine activity in research contexts\*

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## Storage & Handling

**Storage Temperature:** Store in a cool, dry, dark place at 2–8 °C

**Handling:** Handle in accordance with laboratory safety protocols

**Packaging:** Supplied in sealed, research-grade containers

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## Additional Notes

- This compound is offered solely for scientific and technical research
- Not intended for human or veterinary use
- See full compound data at [PubChem CID 4886](#)