

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

Chemical Information

Molecular Formula C₁₄H₂₇N₃O₂

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

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*

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

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](#)