

Rexar Technical Compound Datasheet

Product Name: Oxiracetam

Chemical Name: (RS)-2-(4-Hydroxy-2-oxopyrrolidin-1-yl)acetamide

CAS Number: 62613-82-5

PubChem CID: [4598](#)

Synonyms:

- ISF 2522
- 4-Hydroxy-2-oxo-1-pyrrolidineacetamide
- Neuromet
- CT-848
- Oxiracetamum

Chemical Information

Molecular Formula C₆H₁₀N₂O₃

Molecular Weight 158.16 g/mol

IUPAC Name 2-(4-hydroxy-2-oxopyrrolidin-1-yl)acetamide

SMILES C1C(=O)NC(CC1O)C(=O)N

InChIKey IWUCXVSUMQZMFG-UHFFFAOYSA-N

Appearance White crystalline powder

Solubility Soluble in water, ethanol; miscible with DMSO

Applications

- Used as analytical reference standard for racetam-class compounds
- Investigated in preclinical studies related to cognitive processes*
- Assay development for neuroactive compound profiling
- Employed in physicochemical stability testing in controlled environments

Storage & Handling

Storage Temperature 2–8 °C; keep dry and away from light

Handling Use standard laboratory protective procedures

Packaging Supplied in sealed technical-grade containers

Additional Notes

- This product is supplied exclusively for laboratory research
- Not intended for therapeutic, dietary, or diagnostic purposes
- Full profile available at [PubChem CID 4598](#)