

## 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

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### Chemical Information

**Molecular Formula** C<sub>6</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>

**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

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### 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

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### 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

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### 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](#)