

Oxiracetam

2-(4-hydroxy-2-oxopyrrolidin-1-yl)acetamide | CAS 62613-82-5

Product identification

Product name	Oxiracetam
Chemical name	2-(4-hydroxy-2-oxopyrrolidin-1-yl)acetamide
CAS number	62613-82-5
PubChem CID	4626
Molecular formula	C ₆ H ₁₀ N ₂ O ₃
Molecular weight	158.16 g/mol
InChIKey	IHLAQPPQKRMGSS-UHFFFAOYSA-N
Canonical / reference SMILES	<chem>C1C(CN(C1=O)CC(=O)N)O</chem>
Material type	Chemical reference material / technical compound

Material description

Oxiracetam is a hydroxylated racetam / pyrrolidinone derivative supplied by Rexar as a chemical reference material / technical compound. The identity data support laboratory identification, documentation and analytical comparison.

Intended use

For laboratory, analytical, chemical and method-development applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Hydroxylated racetam / pyrrolidinone derivative
Typical physical form	Solid / powder
Storage guidance	Store tightly closed and dry; Rexar's current reference document uses refrigerated storage guidance where applicable to the supplied material.

Analytical use and traceability

Lot-specific purity, water content, residual solvents and analytical acceptance criteria must be taken from applicable supplier documentation or a certificate of analysis; they are not inferred by this datasheet.

Safety note

No hazard classification is asserted beyond applicable supplier/batch documentation. Use standard laboratory controls. Consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity reverified against PubChem CID 4626: CAS 62613-82-5, C₆H₁₀N₂O₃, 158.16 g/mol and InChIKey IHLAQPPQKRMGSS-UHFFFAOYSA-N. This preserves the corrected Oxiracetam identity established in the earlier Rexar revision.

Document control

Document	Rexar Technical Compound Datasheet
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Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users remain responsible for suitability, regulatory status and safe handling.