

Rexar Technical Compound Datasheet

Product Name: Fasoracetam

Chemical Name: (5R)-5-(piperidine-1-carbonyl)pyrrolidin-2-one

CAS Number: 110958-19-5

PubChem CID: [198695](#)

Synonyms:

- NS-105
- LAM-105
- NFC-1

Chemical Information

Molecular Formula C₁₀H₁₆N₂O₂

Molecular Weight 196.25 g/mol

IUPAC Name (5R)-5-(piperidine-1-carbonyl)pyrrolidin-2-one

SMILES C1CCN(CC1)C(=O)[C@H]2CCCC(=O)N2

InChIKey UQIQEAQSYUEGEQ-RXMQYKEDSA-N

Appearance White to off-white powder (batch dependent)

Solubility Soluble in water and DMSO

Applications

- Reference material for research on racetam-type compounds
- Suitable for spectroscopic and chromatographic method development
- Investigated in studies on cognitive function and neurotransmitter modulation

Storage & Handling

Storage Temperature Store at 4–20 °C in a dry, dark place

Handling Use standard laboratory PPE and procedures

Packaging Supplied in sealed lab-grade containers

Additional Notes

- Supplied strictly for analytical and laboratory research
- Not intended for human or animal consumption
- Reference: [PubChem CID 198695](#)