

# Rexar Technical Compound Datasheet

**Product Name:** Nefiracetam

**Chemical Name:** N-(2,6-dimethylphenyl)-2-(2-oxopyrrolidin-1-yl)acetamide

**CAS Number:** 77191-36-7

**PubChem CID:** [71157](#)

**Synonyms:**

- DM-9384
- E-3620
- Nefiracetamum
- Nefiracetam base

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## Chemical Information

**Molecular Formula:** C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight:** 246.31 g/mol

**IUPAC Name:** N-(2,6-dimethylphenyl)-2-(2-oxopyrrolidin-1-yl)acetamide

**SMILES:** CC1=CC=C(C=C1C)NC(=O)CN2CCCC2=O

**InChIKey:** FMGSKWZJUYFBSM-UHFFFAOYSA-N

**Appearance:** White to off-white powder

**Solubility:** Soluble in DMSO and ethanol; limited water solubility

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## Applications

- Reference compound in nootropic and cholinergic system research
- Used in analytical method development for racetam analogues
- Suitable for spectroscopic profiling (e.g. NMR, IR, LC-MS)
- Preclinical compound for studies on cognition and memory\*

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## Storage & Handling

**Storage Temperature:** 4–20 °C, dry and protected from light

**Handling:** Follow standard lab safety practices

**Packaging:** Supplied in sealed, research-grade containers

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## Additional Notes

- Supplied strictly for laboratory and analytical use
- Not intended for human or animal consumption
- Refer to [PubChem CID 71157](#) for full structure and identifiers