

## Rexar Technical Compound Datasheet

**Product Name:** Noopept

**Chemical Name:** N-phenylacetyl-L-prolylglycine ethyl ester

**CAS Number:** 157115-85-0

**PubChem CID:** [180496](#)

**Synonyms:**

- GVS-111
- N-Phenylacetyl-L-prolylglycine ethyl ester
- Noopeptide
- Pro-Gly-Gly-Et-PhAc (systematic variant)

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### Chemical Information

**Molecular Formula** C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>

**Molecular Weight** 318.37 g/mol

**IUPAC Name** Ethyl (2S)-2-[[[(phenylacetyl)amino]methyl]pyrrolidine-1-carboxylate

**SMILES** CCOC(=O)N1CCCC1CNC(=O)Cc2ccccc2

**InChIKey** HWWCWHWHFNNBKR-GOSISDBHSA-N

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

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

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### Applications

- Reference material in research on synthetic neuropeptides
- Analytical development and stability testing
- Studied for potential modulation of glutamatergic systems\*
- Preclinical investigations into cognitive-enhancing agents\*

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### Storage & Handling

**Storage Temperature** Store in a dry, cool, and dark location at 2–8 °C

**Handling** Laboratory protective equipment required

**Packaging** Airtight, moisture-resistant container

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### Additional Notes

- Supplied for laboratory and analytical research purposes
- Not for use in humans or animals
- For full compound data, see [PubChem CID 180496](#)