

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)

Chemical Information

Molecular Formula: C₁₇H₂₂N₂O₄

Molecular Weight: 318.37 g/mol

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

SMILES: CCOC(=O)N1CCCC1CNC(=O)Cc2cccc2

InChIKey: HWWCWHWHFNNBKR-GOSISDBHSA-N

Appearance: White to off-white crystalline powder

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

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*

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

Additional Notes

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