

Rexar Technical Compound Datasheet

Product Name: Phenibut HCl

Chemical Name: 4-Amino-3-phenylbutyric acid hydrochloride

CAS Number: 3060-41-1

PubChem CID: [14113](#)

Synonyms:

- β -Phenyl- γ -aminobutyric acid hydrochloride
- Fenibut hydrochloride
- PhGABA HCl

Chemical Information

- **Molecular Formula:** C₁₀H₁₄ClNO₂
- **Molecular Weight:** 215.68 g/mol
- **IUPAC Name:** 4-amino-3-phenylbutanoic acid hydrochloride
- **SMILES:** C1=CC=C(C=C1)CC(CN)C(=O)O.C1
- **InChIKey:** YVJQFKCTODXADO-UHFFFAOYSA-N
- **Appearance:** White to off-white crystalline powder
- **Solubility:** Soluble in water

Applications

- Analytical reference for phenylated GABA analogs
- Method development and comparative studies
- Compound profiling and material characterization in non-biological settings

Storage & Handling

- **Storage Temperature:** 15–25 °C
- **Environment:** Dry, cool, and protected from light
- **Handling:** Use standard laboratory safety protocols
- **Packaging:** Supplied in sealed, inert laboratory containers

Additional Notes

- Provided without functional or biological claims
- Intended exclusively for analytical, chemical, and technical applications
- For structure and spectral data, see: [PubChem CID 14113](#)