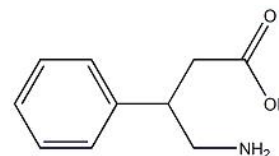


Technical Data Sheet

Phenibut

Compound Information

Product Name:	Phenibut
CAS No.:	1078-21-3
Molecular Formula:	C ₁₀ H ₁₃ NO ₂
Molecular Weight:	179.22
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Phenibut, a GABA analogue, is a central nervous system depressant with anxiolytic and sedative effects.
Form	solid
Color	White
Solubility	Free base: 35 mg/mL in DMSO (195.29 mM) at 25 °C (SellekChem, 2019). Hydrochloride salt (Cayman, 2016): 25 mg/ml in DMF; 20 mg/ml in DMSO; 14 mg/ml in ethanol; 10 mg/mL in PBS (pH 7.2).
Purity (HPLC)	≥ 98 %
1H NMR	Pass test

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