4-Fluorophenibut hydrochloride

4-amino-3-(4-fluorophenyl)butanoic acid hydrochloride | CAS 1858241-03-8

Product identification

Product name	4-Fluorophenibut hydrochloride
Chemical name	4-amino-3-(4-fluorophenyl)butanoic acid hydrochloride
CAS number	1858241-03-8
PubChem CID	121237598
Molecular formula	C10H13ClFNO2
Molecular weight	233.67 g/mol
InChIKey	RXJNLRFZRDSVKO-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=CC=C1C(CC(=O)O)CN)F.Cl
Material type	Chemical reference material / technical compound

Material description

4-Fluorophenibut hydrochloride is a fluorinated amino-acid derivative; hydrochloride salt supplied by Rexar as a chemical reference material / technical compound. The identity fields in this document describe the named chemical form and are intended to support laboratory identification, documentation and analytical comparison.

Intended use

For laboratory, analytical, chemical and method-development applications, including identity comparison, chromatographic and spectroscopic workflows. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Fluorinated amino-acid derivative; hydrochloride salt
Typical physical form	Solid / powder
Storage guidance	Keep tightly closed in a cool, dry place and protect from moisture. Follow lot-specific supplier storage information.
Reference database	PubChem CID 121237598

Analytical use and traceability

Suitable as a reference material for qualitative identity work and comparative analytical workflows. Analytical acceptance criteria, purity, water content, residual solvents and other lot-specific specifications must be taken from the applicable supplier documentation or certificate of analysis; they are not inferred by this datasheet.

Safety note

Reliable public data were insufficient to assign a Rexar-specific CLP classification for the supplied material. Avoid dust exposure and treat as a laboratory chemical of incompletely characterised hazard. Use suitable laboratory PPE, minimise dust generation and consult the applicable Safety Data Sheet before handling.

Identity verification note

Hydrochloride identity verified against PubChem CID 121237598. Important correction: CAS 52237-19-1 belongs to parent 4-fluorophenibut (CID 103611); the hydrochloride record uses CAS 1858241-03-8.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical documentation. Users are responsible for confirming suitability, regulatory status and safe handling for their intended laboratory application.