

ACA (1-(1-Adamantylcarbonyl)proline)

1-(adamantane-1-carbonyl)pyrrolidine-2-carboxylic acid | CAS 35084-48-1

Product identification

Product name	ACA (1-(1-Adamantylcarbonyl)proline)
Chemical name	1-(adamantane-1-carbonyl)pyrrolidine-2-carboxylic acid
CAS number	35084-48-1
PubChem CID	Public compound records vary by database; CAS-linked identity used
Molecular formula	C ₁₆ H ₂₃ NO ₃
Molecular weight	277.36 g/mol
InChIKey	RQEOMJWWVKNKPX-HPUHXYPDPSA-N
Canonical / reference SMILES	<chem>O=C(N1C(C(O)=O)CCC1)C2(C3C[C@@](C[C@@]3([H])C4([H])C[C@@]4([H])C2</chem>
Material type	Chemical reference material / technical compound

Material description

ACA (1-(1-Adamantylcarbonyl)proline) is a adamantane-carbonyl proline derivative supplied by Rexar as a chemical reference material / technical compound. The identity data support laboratory identification, documentation and analytical comparison.

Intended use

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

Reference characteristics

Structural class	Adamantane-carbonyl proline derivative
Typical physical form	White to off-white powder reported by suppliers
Storage guidance	Keep tightly closed in a cool, dry place and protect from moisture and excessive heat.

Analytical use and traceability

Lot-specific purity, water content, residual solvents and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis; they are not inferred by this datasheet.

Safety note

No reliable harmonised CLP classification was established from the identity sources reviewed for this revision. Toxicological data are limited; handle as a laboratory chemical of incompletely characterised hazard. Consult the applicable Safety Data Sheet before handling.

Identity verification note

CAS 35084-48-1, formula C₁₆H₂₃NO₃ and molecular weight 277.36 g/mol were cross-checked against current supplier/database records. Older Rexar pages contained conflicting formulas and CAS data; this revision uses the CAS-linked identity.

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 remain responsible for suitability, regulatory status and safe handling.