

# Rexar Technical Compound Datasheet

**Product name:** ACA

**Chemical name:** 1-(1-Adamantylcarbonyl)proline

**IUPAC name:** 1-(adamantane-1-carbonyl)pyrrolidine-2-carboxylic acid

**CAS number:** 35084-48-1

**Molecular formula:** C<sub>16</sub>H<sub>23</sub>NO<sub>3</sub>

**Molecular weight:** 277.36 g/mol

**Synonyms:** 1-(adamantane-1-carbonyl)-pyrrolidine-2-carboxylic acid; 1-(1-adamantylcarbonyl)proline

**Product category:** Chemical Reference Material

**Intended use:** Laboratory research, analytical reference, compound identification and structural comparison workflows.

**Supply format:** White to off-white powder / crystalline powder in sealed laboratory packaging.

## Description

ACA is supplied by Rexar as a **chemical reference material** for analytical chemistry, compound identification and laboratory-based comparison workflows. This material is intended exclusively for controlled research environments requiring verified chemical identity, structural confirmation and consistent reference-grade documentation.

## Chemical identity and structural data

ACA is an adamantane-containing proline derivative with a carboxylic acid functionality and a carbonyl-linked adamantyl group. Public chemical databases and supplier listings identify the compound as **1-(adamantane-1-carbonyl)pyrrolidine-2-carboxylic acid**, corresponding to **CAS 35084-48-1**, formula **C<sub>16</sub>H<sub>23</sub>NO<sub>3</sub>** and molar mass **277.36 g/mol**.

## Key reference data

- **CAS number:** 35084-48-1
- **Molecular formula:** C<sub>16</sub>H<sub>23</sub>NO<sub>3</sub>
- **Molecular weight:** 277.36 g/mol
- **Chemical name:** 1-(1-Adamantylcarbonyl)proline
- **IUPAC name:** 1-(adamantane-1-carbonyl)pyrrolidine-2-carboxylic acid
- **Form:** white to off-white powder / crystalline solid

## Handling and storage

Store in a tightly sealed container in a dry, well-ventilated environment. Public supplier listings for this compound commonly indicate **sealed, dry, room-temperature storage**.

## Documentation note

This material is supplied by Rexar as a **technical compound / chemical reference material** for laboratory and analytical use. It is **not intended for food, cosmetic, household or medicinal use.**