

Aniracetam

1-(4-methoxybenzoyl)pyrrolidin-2-one | CAS 72432-10-1

Product identification

Product name	Aniracetam
Chemical name	1-(4-methoxybenzoyl)pyrrolidin-2-one
CAS number	72432-10-1
PubChem CID	2196
Molecular formula	C ₁₂ H ₁₃ NO ₃
Molecular weight	219.24 g/mol
InChIKey	ZXNRTKGTQJPIJK-UHFFFAOYSA-N
Canonical / reference SMILES	<chem>COC1=CC=C(C=C1)C(=O)N2CCCC2=O</chem>
Material type	Chemical reference material / technical compound

Material description

Aniracetam is a racetam / substituted pyrrolidinone 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	Racetam / substituted pyrrolidinone
Typical physical form	White to off-white crystalline powder
Storage guidance	Keep tightly closed in a dry, dark environment and follow lot-specific supplier storage information.

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 harmonised CLP classification is asserted in this Rexar document without applicable supplier/batch hazard data. Minimise dust exposure and use standard laboratory controls. Consult the applicable Safety Data Sheet before handling.

Identity verification note

Identity rechecked for CAS 72432-10-1: PubChem CID 2196, C₁₂H₁₃NO₃, 219.24 g/mol and InChIKey ZXNRTKGTQJPIJK-UHFFFAOYSA-N.

Document control

Document	Rexar Technical Compound Datasheet
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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.