

Rexar Technical Compound Datasheet

Product Name: Sunifiram

Chemical Name: 1-benzoyl-4-propanoylpiperazine

CAS Number: 314728-85-3

PubChem CID: [4223812](#)

Synonyms:

- DM-235
- 1-(4-(propionyl)piperazin-1-yl)-2-benzoylacetone
- Piperazine, 1-(4-propanoyl)-, 1-benzoyl derivative

Chemical Information

Molecular Formula C₁₄H₁₈N₂O₂

Molecular Weight 246.31 g/mol

IUPAC Name 1-benzoyl-4-propanoylpiperazine

SMILES CCC(=O)N1CCN(CC1)C(=O)C2=CC=CC=C2

InChIKey FSBIZBYLZGHYNU-UHFFFAOYSA-N

Appearance White to off-white crystalline powder

Solubility Soluble in DMSO, ethanol; low water solubility

Applications

- Used in preclinical studies on cognition and neuroplasticity
- Analytical reference for substituted piperazine derivatives
- Chromatographic and spectroscopic method development (e.g. LC-MS, HPLC, NMR)

Storage & Handling

Storage Temperature 4–20 °C, cool and dry place

Handling Laboratory use only; handle with appropriate PPE

Packaging Sealed research-grade packaging

Additional Notes

- Supplied solely for research and analytical purposes
- Not intended for human or veterinary use
- For more data, refer to [PubChem CID 4223812](#)