

Rexar Technical Compound Datasheet

Product Name: NSI-189 Phosphate
Chemical Name: NSI-189 phosphate
CAS Number: 1270138-41-4
PubChem CID: 50922680

Synonyms:

- NSI-189 phosphate
 - NSI-189 (phosphate salt)
 - Benzylpiperazine pyridine amide derivative
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Chemical Information

Molecular Formula: C₂₂H₂₈CIN₃O₄P
Molecular Weight: 463.90 g/mol

IUPAC Name:

(4-benzylpiperazin-1-yl)[2-(3-methylbutylamino)pyridin-3-yl]methanone; phosphoric acid

SMILES:

CC(C)CCNC1=NC=CC(=C1)C(=O)N2CCN(CC2)CC3=CC=CC=C3.OP(=O)(O)O

InChIKey:

YVXSUUBEMKXJQY-UHFFFAOYSA-N

Appearance:

White to off-white crystalline powder (batch-dependent)

Solubility:

Soluble in DMSO and methanol; limited solubility in water

Applications

- Analytical reference compound for substituted benzylpiperazine derivatives
 - Suitable for chromatographic and spectroscopic method development
 - Structural reference material in laboratory comparison workflows
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Storage & Handling

Storage Temperature:

Store at 4–20 °C in a dry, dark environment

Handling:

Use appropriate laboratory PPE and standard safety procedures

Packaging:

Supplied in sealed laboratory containers for research use only

Additional Notes

- Provided exclusively for analytical and scientific research
- Not intended for human or veterinary use
- Public reference database: PubChem CID 50922680