

NSI-189 Phosphate

(4-benzylpiperazin-1-yl)-[2-(3-methylbutylamino)-3-pyridinyl]methanone; phosphoric acid (1:1) | CAS 1270138-41-4

Product identification

Product name	NSI-189 Phosphate
Chemical name	(4-benzylpiperazin-1-yl)-[2-(3-methylbutylamino)-3-pyridinyl]methanone; phosphoric acid (1:1)
CAS number	1270138-41-4
PubChem CID	50922680
Molecular formula	C22H33N4O5P
Molecular weight	464.50 g/mol
InChIKey	LWHMGALTTIYPJU-UHFFFAOYSA-N
Canonical / reference SMILES	<chem>CC(C)CCNC1=C(C=CC=N1)C(=O)N2CCN(CC2)CC3=CC=CC=C3.OP(=O)(O)O</chem>
Material type	Chemical reference material / technical compound

Material description

NSI-189 Phosphate is a aminopyridine piperazine phosphate salt 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	Aminopyridine piperazine phosphate salt
Typical physical form	Solid / powder
Storage guidance	Keep tightly closed, dry and protected from light; 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 applicable supplier documentation or a certificate of analysis; they are not inferred by this datasheet.

Safety note

No harmonised CLP classification is assigned here solely from the PubChem identity record. Toxicological data for research material may be incomplete; use standard laboratory controls. Consult the applicable Safety Data Sheet before handling.

Identity verification note

Phosphate identity verified against PubChem CID 50922680: CAS 1270138-41-4, C22H33N4O5P, 464.5 g/mol and InChIKey LWHMGALTTIYPJU-UHFFFAOYSA-N. Parent free base is CID 50922681.

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.