



3-TYP

Cat. No.:	OB0225WX-2770
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 25 mg; 100 mg; 1 g

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	3-TYP is a pyridine-based selective SIRT3 inhibitor characterized by IC ₅₀ values of 16 nM for SIRT3, compared to 88 nM and 92 nM for SIRT1 and SIRT2, respectively.
Synonym	3-(1H-1,2,3-triazol-4-yl) pyridine; 120241-79-4; 3-(1H-1,2,3-triazol-4-yl)pyridine; Pyridine(3-TYP); 3-(2H-triazol-4-yl)pyridine; 3-(1H-1,2,3-triazol-4-yl) pyridine; MFCD25956467; Pyridine, 3-(1H-1,2,3-triazol-5-yl)-; Pyridine,3-(1H-1,2,3-triazol-4-yl)-(9CI); 3-(1H-1,2,3-triazol-5-yl)pyridine; pyridin-3-yl-triazole
CAS No.	120241-79-4
Compound CID	9833992
Formula	C ₇ H ₆ N ₄
Formula Weight	146.15

Specification

IUPAC Name	3-(2H-Triazol-4-yl)pyridine
InChI	InChI=1S/C7H6N4/c1-2-6(4-8-3-1)7-5-9-11-10-7/h1-5H,(H,9,10,11)
InChI Key	VYXFEFOIYPNBFK-UHFFFAOYSA-N
SMILES string	C1=CC(=CN=C1)C2=NNN=C2
Stability	3 years in powder form.
Storage	Storage at -20°C.



Applications

3-TYP is applied in biochemical research as a potent and selective SIRT3 inhibitor or to investigate the role of mitochondrial protein deacetylation in regulating cellular oxidative stress and metabolic flux.

Library Information

Target	Sirtuin
Receptor	SIRT1; SIRT2; SIRT3
Pathways	Cytoskeletal signaling
Plate Number	L6700-10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	29 mg/mL; 198.43 mM
Water Max Solubility	5 mg/mL; 34.21 mM
ALogP	0.602
HBA_Count	3
HBD_Count	1
Rotatable Bond	1