



Product Information

PTEN inhibitor VO-Ohpic trihydrate, Purity ≥98%

Cat. No.: X24-05-ZQ326

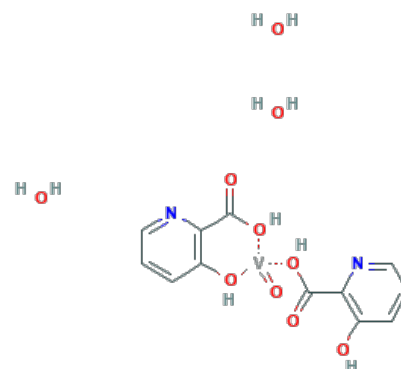
Size: 5 mg; 10 mg; 50 mg

CAS Number: 476310-60-8

Compound CID: 132771594

Synonym: 476310-60-8; VO-Ohpic; VO Ohpic; PTEN inhibitor

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



Product Information

Description	VO-Ohpic trihydrate, soluble in DMSO and insoluble in ethanol and water, represses the tumor suppressor function of PTEN, influencing cell cycle regulation and growth pathways, and has potential therapeutic implications in diseases requiring modulation of PTEN activity. It targets PTEN.
Molecular Weight	399.2
Molecular Formula	C ₁₂ H ₁₆ N ₂ O ₁₀ V
Targets	PTEN: 35 nM
IUPAC Name	3-Hydroxypyridine-2-carboxylic acid;oxovanadium;trihydrate
InChI	InChI=1S/2C6H5NO3.3H2O.O.V/c2*8-4-2-1-3-7-5(4)6(9)10;;;;;/h2*1-3,8H,(H,9,10);3*1H2;;
InChI Key	RHVLCDIRYQMAQQ-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=C(N=C1)C(=O)O)O.C1=CC(=C(N=C1)C(=O)O)O.O.O.O.O.O=[V]
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 68 mg/mL (163.78 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	VO-Ohpic trihydrate is employed in studies on its selective inhibition of PTEN in cellular signaling and cancer.
Storage	Store at -20°C.