



Product Information

Proton Pump inhibitor Tenatoprazole, Purity ≥98%

Cat. No.: X24-07-ZQ430

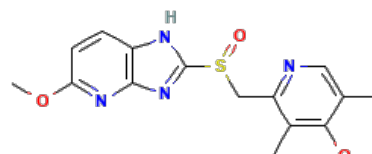
Size: 100 mg; 500 mg

CAS Number: 113712-98-4

Compound CID: 636411

Synonym: 113712-98-4; Proton Pump inhibitor

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



Product Information

Description	Tenatoprazole, soluble in DMSO and warmed ethanol and insoluble in water, obstructs the activity of proton pumps, enzymes critical for acid secretion in the stomach, playing a crucial role in managing conditions like acid reflux. It targets Proton pump.
Molecular Weight	346.4
Molecular Formula	C ₁₆ H ₁₈ N ₄ O ₃ S
Targets	Proton pump
IUPAC Name	5-Methoxy-2-[(4-methoxy-3,5-dimethylpyridin-2-yl)methylsulfinyl]-1H-imidazo[4,5-b]pyridine
InChI	InChI=1S/C16H18N4O3S/c1-9-7-17-12(10(2)14(9)23-4)8-24(21)16-18-11-5-6-13(22-3)19-15(11)20-16/h5-7H,8H2,1-4H3,(H,18,19,20)
InChI Key	ZBFDAUIVDSSISP-UHFFFAOYSA-N
Canonical SMILES	CC1=CN=C(C(=C1OC)C)CS(=O)C2=NC3=C(N2)C=CC(=N3)OC
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 43 mg/mL (124.13 mM); Water: Insoluble; Warmed ethanol: 13 mg/mL (37.52 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Tenatoprazole is a proton pump inhibitor used to investigate acid-related gastrointestinal disorders and their treatments.



Storage

Store at -20°C, and keep desiccated.
