

## Product Information

### ATPase inhibitor Ciclopirox, Purity $\geq 98\%$

**Cat. No.:** X24-07-ZQ273

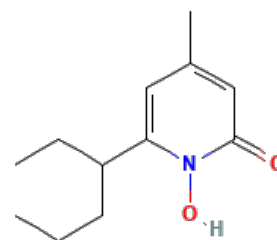
**Size:** 50 mg; 100 mg; 200 mg; 500 mg

**MDL:** MFCD00599441

**CAS Number:** 29342-05-0

**Compound CID:** 2749

**Synonym:** 29342-05-0; ATPase inhibitor; Batrafen; Loprox; Mycoster; Stieprox; HOE 296b



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

#### Product Information

<b>Description</b>	Ciclopirox, soluble in DMSO and ethanol and insoluble in water, specifically hinders the activity of ATPase enzymes, thereby disrupting the process of ATP hydrolysis, which is critical for energy conversion and cellular functions. It targets ATPase.
<b>Molecular Weight</b>	207.3
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub>
<b>Targets</b>	ATPase
<b>IUPAC Name</b>	6-Cyclohexyl-1-hydroxy-4-methylpyridin-2-one
<b>InChI</b>	InChI=1S/C12H17NO2/c1-9-7-11(13(15)12(14)8-9)10-5-3-2-4-6-10/h7-8,10,15H,2-6H2,1H3
<b>InChI Key</b>	SCKYRAXSEDYPSA-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=CC(=O)N(C(=C1)C2CCCCC2)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 36 mg/mL (173.68 mM); Water: Insoluble; Ethanol: 36 mg/mL (173.68 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Ciclopirox is employed to study ATPase inhibition, affecting cellular energy processes and antifungal activity.
<b>Storage</b>	Store at -20°C, and keep desiccated.

