



## Product Information

### Hydroxylase inhibitor, Metyrapone, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM118

**Size:** 500 mg; 1 g; 2 g; 5 g

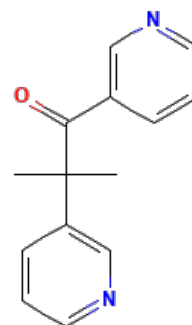
**MDL:** MFCD00006397

**CAS Number:** 54-36-4

**Compound CID:** 4174

**Synonym:** 54-36-4; 2-Methyl-1,2-di-3-pyridyl-1-propanone; Metopirone; Methopyrapone; Metopiron; Methapyrapone; Methopirapone; Methopyrinine; Methopyrone; Metopyrone; Metyrapon; Methbipyranone; Mepyrapone; Metroprione; Metapirone; Metirapona; Metyraponum; Metapyron; 2-Methyl-1,2-dipyridin-3-ylpropan-1-one; Hydroxylase inhibitor

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



### Product Information

<b>Description</b>	Metyrapone, soluble in DMSO and water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting hydroxylases. The molecular weight of the compound is 226.27, and its molecular formula is $C_{14}H_{14}N_2O$ .
<b>Molecular Weight</b>	226.27
<b>Molecular Formula</b>	$C_{14}H_{14}N_2O$
<b>IUPAC Name</b>	2-Methyl-1,2-dipyridin-3-ylpropan-1-one
<b>InChI</b>	InChI=1S/C14H14N2O/c1-14(2,12-6-4-8-16-10-12)13(17)11-5-3-7-15-9-11/h3-10H,1-2H3
<b>InChI Key</b>	FJLBFSROUSIWMA-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>CC(C)(C1=CN=CC=C1)C(=O)C2=CN=CC=C2</chem>
<b>Isomeric SMILES</b>	<chem>C1CC2=CN=CN2[C@H]1C3=C(C=C(C=C3)C#N)F</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 44 mg/mL (194.45 mM); Water: <1 mg/mL
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.



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<b>Quality Level</b>	Research grade
<b>Applications</b>	Metirapone can be studied extensively for its potential therapeutic applications in the treatment of conditions related to adrenal hormone imbalances.
<b>Storage</b>	Store at -20°C, and keep desiccated.

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