

**Catalog # 10-4521**

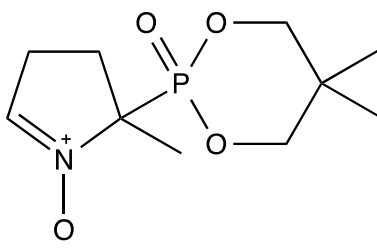
**CYPMPO**

CAS# 934182-09-9

RR 071

5-(2,2-dimethyl-1,3-propoxycyclophosphoryl)-5-methyl-1-pyrroline N-oxide

Lot # FBM4075



Free radical spin-trap with hydroxyl and superoxide free radical trapping capabilities similar to DEPMPO. Better solubility and increased half-life in aqueous buffers can give CYPMPPO a practical advantage over DEPMPO in some experiments.

- 1) Kamibayashi *et al.* (2006) *Synthesis and characterization of a practically better DEPMPO-type spin trap, 5-(2,2-dimethyl-1,3-propoxycyclophosphoryl)-5-methyl-1-pyrroline N-oxide (CYPMPPO)*; Free Radic. Res. **40** 1166

**PHYSICAL DATA**

Molecular Weight:	247.23
Molecular Formula:	C <sub>10</sub> H <sub>18</sub> NO <sub>4</sub> P
Purity:	98% TLC
Solubility:	DMSO (20 mg/ml), DMF (25 mg/ml), PBS -pH 7.2 (10 mg/ml)
Physical Description:	Solid
Storage and Stability:	Store as supplied at -20°C for up to two years from the date of purchase. Solutions in DMSO or DMF may be stored at -20°C for up to 2 months. Aqueous solutions are not stable and should be used within one working day. Aqueous solutions cannot be stored.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**