

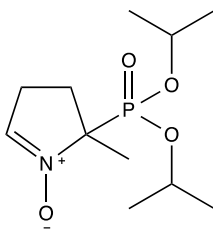
Catalog # 10-4574

DIPPMPO

CAS# 527704-58-1

5-(Diisopropoxyphosphoryl)-5-methyl-1-pyrroline-N-oxide

Lot # FBA8097



DIPPMPO is a more lipophilic analog of the widely used spin trap agent DEPMPO.¹ It displays similar efficiency to DEPMPO in trapping various free radicals. Superoxide and hydroxyl adducts are slightly more persistent than those of DEPMPO.

- 1) Chalier and Tordo (2002), *5-Diisopropoxyphosphoryl-5-methyl-1-pyrroline-N-oxide, DIPPMPO, a crystalline analog of the nitrene DEPMPO: synthesis and spin trapping properties*; *J. Chem. Soc. Perkin Trans 2* 2110

PHYSICAL DATA

Molecular Weight:	263.27
Molecular Formula:	C ₁₁ H ₂₂ NO ₄ P
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in water (>25 mg/ml).
Physical Description:	Off-white to pale yellow low melting solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Store solutions at -20°C for up to 1 month. Very Hygroscopic.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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