DEPMPO

Spin trapping reagent

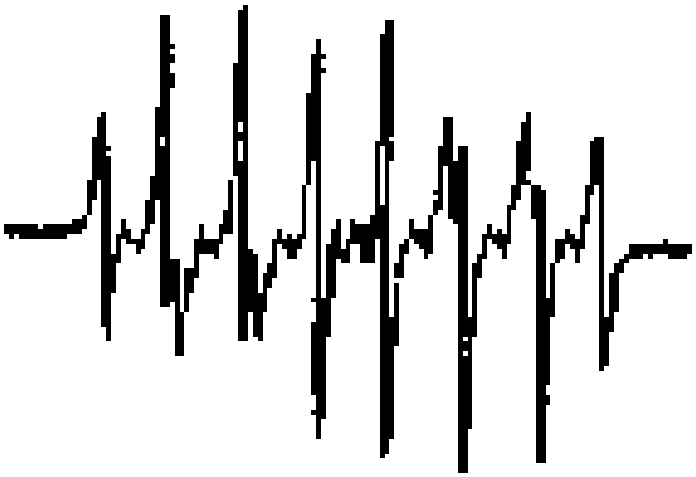
Most efficient spin trap for the *in vitro* and *in vivo* detection of O-, N-, S- and C-centered free radicals. Has a longer life-time than DMPO (Prod. No. ALX-430-090). Can distinguish between superoxide-dependent and independent mechanisms that lead to the hydroxyl radical. Less lipophilic (Kp=0.16) than DIPPMPO (Prod. No. ALX-430-119).

Citations: 37 View Online »

Ordering Information Order Online »

ALX-430-093-M050	50mg
ALX-430-093-M500	500mg

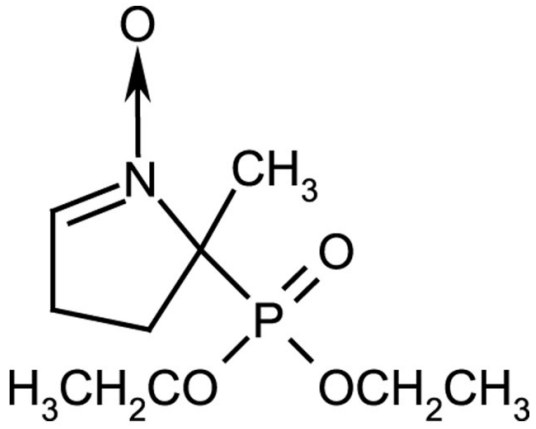
Manuals, SDS & CofA View Online »



Spectrum of the (O^{2-})-DEPMPO adduct.



Spectrum of the (HO)-DEPMPO adduct.



Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Unstable in solution. Reconstitute just prior to use.
Handling	Protect from light and moisture. Keep under inert gas. Hygroscopic.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-(Diethoxyphosphoryl)-5-methyl-1-pyrroline-N-oxide, 2-Diethylphosphono-2-methyl-3,4-dihydro-2H-pyrrole 1-oxide, (2-Methyl-3,4-dihydro-1-oxide-2H-pyrrol-2-yl)diethylphosphonate
Appearance	Colorless to light yellow oil.
CAS	157230-67-6
Formula	$C_9H_{18}NO_4P$
MW	235.2
Purity	≥99% (TLC)
Solubility	Soluble in water, methylene chloride or 100% ethanol.

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