

DEPMPO, Spin trap

Catalog	Unit
TBI4502-50MG	50 mg
TBI4502-500MG	500 mg

Product Details

Formal Name: 5-Diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide

Molecular Formula: C₉H₁₈NO₄P

Formula Weight: 235.22

CAS Number: 157230-67-6

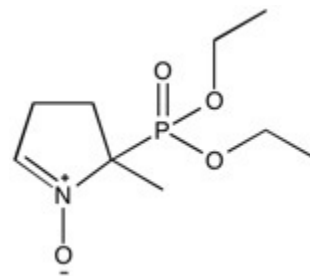
Purity: >98%

Formulation: oil

Solubility: Soluble in Water or Ethanol.

Storage: -20°C

Stability: ≥ 1 year.



Applications

Spin trap

Functions

DEPMPO is a spin trap capable of detecting oxygen, nitrogen, sulfur and carbon-centered free radicals both in vitro and in vivo. Useful for distinguishing between superoxide-dependent pathways of hydroxyl radical generation, and those that are superoxide independent.

Application Procedures

First dissolved in Water or Ethanol, then diluted to aqueous buffer. Solutions are not stable. Solutions must be prepared fresh and used within one working day.

For research use only.