

DIPPMPO, Spin Trap

Catalog	Unit
TBI4574-50MG	50 mg
TBI4574-250MG	250 mg

Product Details

Formal Name: 5-(Diisopropoxyphosphoryl)-5-methyl-1-pyrroline-N-oxide

Molecular Formula: C₁₁H₂₂NO₄P

Formula Weight: 263.27

CAS Number: 527704-58-1

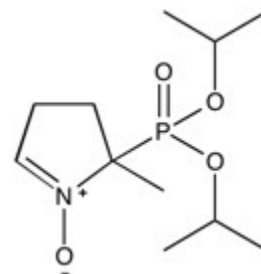
Purity: >98%

Formulation: wax or liquid

Solubility: Soluble in water (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Spin Trap

Functions

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

Application Procedures

First dissolved in water (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 1 month.

For research use only.