BMPO (high purity)

Spin trapping reagent

BMPO is a cyclic nitrone spin trap for the specific *in vivo* or *in vitro* detection of short-lived hydroxyl, superoxide, and thiyl radicals. BMPO forms distinguishable adducts that can be measured by EPR spectroscopy. Unlike with DMPO (Prod. No. ALX-430-090), the superoxide adduct does not decay into a hydroxyl adduct and has a much longer half-life in cells ($t_{1/2}$=23min).

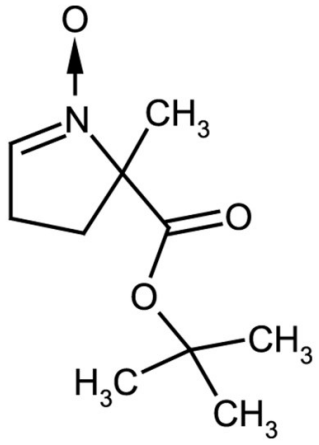
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Ordering Information Order Online »

ALX-430-141-M010	10mg
ALX-430-141-M050	50mg

Manuals, SDS & CofA View Online »

- Highly pure spin trapping reagent
- Contains very low paramagnetic impurities and does not require further purification
- Comes as a crystalline solid for a longer shelf-life

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from moisture.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-tert-Butoxycarbonyl-5-methyl-1-pyrroline-N-oxide
Appearance	White to pinkish crystalline solid.
CAS	387334-31-8
Formula	$C_{10}H_{17}NO_3$
Identity	Identity determined by MS and NMR.
MW	199.3
Purity	≥99% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), 100% ethanol, 100% methanol, and water.
Source	Synthetic

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