

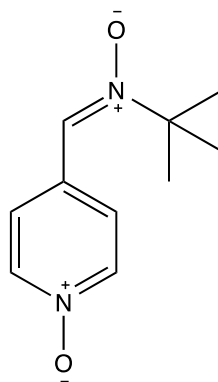
Catalog# 10-4686

POBN

CAS# 66893-81-0

α -(4-Pyridyl N-oxide)-N-*tert*-butylnitrone

Lot # FBS4021



POBN is a cell permeable and water-soluble radical spin trap suitable for use in both *in vitro* and *in vivo* experiments. High purity.

- 1) Dikalova *et al* (2001), *An in vivo ESR spin-trapping study: Free radical generation in rats from formate intoxication – role of the Fenton reaction*; Proc. Natl. Acad. Sci. USA **98** 13549
- 2) Davies (2016), *Detection and characterization of radicals using electron paramagnetic resonance (EPR) spin trapping and related methods*; Methods **109** 21
- 3) Hawkins and Davies (2014), *Detection and characterisation of radicals in biological materials using EPR methodology*; Biochim. Biophys. Acta **1840** 708

PHYSICAL DATA

Molecular Weight: 194.23
Molecular Formula: C₁₀H₁₄N₂O₂
Purity: 99% by HPLC (Poroshell 120 C18; 40:60, MeOH/water; 0.8 mL/min)
Solubility: DMSO (25 mg/mL); Water (>25 mg/mL)
Physical Description: White to off-white solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month. Solutions in water should be made fresh daily. Protect from exposure to light.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.