



Catalog # 10-2288

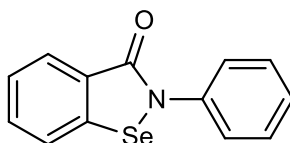
Ebselen

CAS# 60940-34-3

2-Phenyl-1,2-benzisoselenazol-3(2H)-one

PZ-51

Lot # X101201



Novel nontoxic selenium-containing multifunctional antioxidant and anti-inflammatory agent¹. Displays protective effects in reperfusion injury and stroke². Excellent scavenger of peroxynitrite³. Acts as a glutathione peroxidase mimetic⁴. Cell permeable.

- 1) Schewe *et al.* (1995), *Molecular actions of ebselen – an anti-inflammatory antioxidant*; Gen. Pharmacol., **26** 1153
- 2) Parnham *et al.* (2000), *Ebselen: prospective therapy for cerebral ischaemia*; Expert. Opin. Investig. Drugs, **9** 607
- 3) Masumoto *et al.* (1996), *Kinetic study of the reaction of ebselen with peroxynitrite*; FEBS Lett., **398** 179
- 4) Nakamura *et al.* (2002), *Ebselen, a glutathione peroxidase mimetic seleno-organic compound, as a multifunctional antioxidant. Implication for inflammation-associated carcinogenesis*; J. Biol. Chem., **277** 2687

PHYSICAL DATA

Molecular Weight:	274.18
Molecular Formula:	C ₁₃ H ₉ NOSe
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 10 mg/ml, with warming)
Physical Description:	Light yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months

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