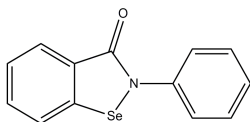


PRODUCT: Ebselen**ALTERNATE NAME:** 2-phenyl-1,2-benzisoselenazol-3(2H)-one**CATALOG #:** 2169-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₃H₉NOSe**MOLECULAR WEIGHT:** 274.18**CAS NUMBER:** 60940-34-3**APPEARANCE:** Faint yellow to light yellow solid**SOLUBILITY:** DMSO (~ 5 mg/ml)**PURITY:** ≥99%**STORAGE:** At -20° C. Protect from air and light

DESCRIPTION: An organo-selenium compound that displays potent antioxidant properties. Acts as a glutathione peroxidase (GPX) mimic as well as being an excellent scavenger of peroxynitrite. The glutathione peroxidase-like activity of ebselen inhibits cyclooxygenase (COX) and lipoxygenases at micromolar concentrations. Also acts as a histone-lysine demethylase (HKDM) inhibitor. Inhibits JARID1B protein with an IC₅₀ of 5.17 μM.

REFERENCE: Sayegh, J., *et al.* (2013). *J. Biol. Chem.* **288**, 9408-9417.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Caffeic acid (**Cat. No. 2303-50, 250**)GSK-J4 hydrochloride (**Cat. No. 2259-1, 5**)GSK-J1 sodium (**Cat. No. 2260-1, 5**)IOX1 (**Cat. No. 2266-5, 25**)β-Lapachone (**Cat. No. 2262-5, 25**)2,4-PDCA (**Cat. No. 2304-100, 500**)Tranylcypromine hemisulfate (**Cat. No. 1816-25, 100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**