

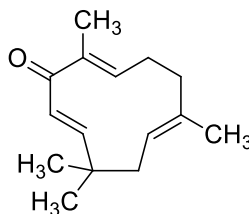
Catalog # 10-2247

Zerumbone

CAS# 471-05-6

(2E,6E,10E)-2,6,9,9-Tetramethyl-2,6,10-cycloundecatrien-1-one

Lot # X104327



Natural sesquiterpene ketone isolated from *Zingiber sp.* Potentiates TRAIL-induced apoptosis via upregulation of death receptor DR4 and DR5 expression. Induces apoptosis in T-acute lymphoblastic leukemia cells. Has no cytotoxic effect on normal cells. Cell permeable.

- 1) Leu *et al.* (2009), *A small molecule inhibitor of inducible heat shock protein 70*; Mol. Cell, **36** 15
- 2) Abdelwahab *et al.* (2011), *Zerumbone induces apoptosis in T-acute lymphoblastic leukemia cells*; Leuk. Res., **35** 268

PHYSICAL DATA

Molecular Weight: 218.34

Molecular Formula: C₁₅H₂₂O

Purity: 95% by TLC

NMR: (Conforms)

Solubility: DMSO (up to 30 mg/ml) or Ethanol (25 mg/ml)

Physical Description: White 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 1 month.

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