

AR03029PU-N**Hsp90 inhibitor (Radicicol) - Purified****Quantity:**

1 mg

Background:

Radicicol inhibits src (IC₅₀=0.27 μ M) and src-like kinases(1), leading to hypophosphorylation of retinoblastoma tumor suppressor protein(2). It causes morphological reversion of ras-transformed cells(3) and leads to selective depletion of Raf kinase(4). It also displays anti-angiogenic activity(5), and binds to and inhibits Hsp 90 molecular chaperone(6). It binds more strongly to Hsp90 than to GRP94. It also binds to yeast HSP90, E. coli HtpG and TRAP-1.

Format:**State:** White to light yellow powder, produced by fermentation**Purity:** >97% 97% by TLC**Reconstitution:** Soluble in DMSO**Description:**Formula: C₁₈H₁₇ClO₆**Molecular weight:** 364.8 364.8**Storage:**

Store the antibody (in aliquots) at -20 °C. Can be shipped at 2 - 8 °C.

Avoid repeated freezing and thawing.

Protect from light!

Shelf life: One year from despatch.

General Readings:

1. Kwon H.J., et al. (1992) Cancer Res. 52: 6929.
2. Yen A., et al. (1994) Exp.Cell Res. 214: 163.
3. Kwon H.J., et al. (1995) J.Biochem.(Tokyo) 118: 221.
4. Soga S., et al. (1998) J.Biol.Chem. 273:822.
5. Oikawa T., et al. (1993) Eur.J.Pharmacol. 241: 221.
6. Roe S.M. et al. (1999) J.Med.Chem. 42: 260.

Pictures:

Figure 1: Structure of Radicicol

