

AR03026PU-N**Hsp90 inhibitor (17-DMAG) - Purified**

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| Quantity: | 1 mg |
| Background: | 17-DMAG is a water soluble & cell-permeable analog of Geldanamycin and 17-AAG (1). It binds to the APTase site of human Hsp90a with high affinity, has cytotoxic activity against many cancer cell lines (2), and acts as angiogenesis inhibitor (3). This Hsp90 inhibitor shows promise in preclinical models. 17-DMAG has excellent bioavailability, is widely distributed to tissues, and is quantitatively metabolized much less than is 17-AAG. |
| Source: | Synthetic |
| Format: | State: Purple solid Purity: >98% pure (TLC: 10% Methanol/methylene chloride; Rf=0.49) Reconstitution: Soluble in DMSO (>30 mg/ml and ethanol (10 mg/ml) |
| Description: | Purple Solid. Formula: $C_{32}H_{48}N_4O_8$ Molecular weight: 616.8 |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| General Readings: | 1. Bull E.E., et al.(2004) Clin. Cancer Res. 10: 8077. 2. Gossett D.R. et al.(2005) Gynecol. Oncol. 96: 381. 3. Kaur G. et al.(2004) Clin. Cancer Res. 10: 4813. |
| Pictures: | Figure 1: Structure of 17-DMAG |

