

Pifithrin-alpha

Cat. # F7160, F7161

- Also Known as:** Pifithrin- α , Ethanone, 1-(4-methylphenyl)-2-(4,5,6,7-tetrahydro-2-imino-3(2H)-benzothiazolyl)-, hydrobromide (1:1)
- Formula:** $C_{16}H_{18}N_2OS.HBr$
- MW:** 367.3 Da
- CAS No.:** 63208-82-2
- Source:** Synthetic
- Form:** Lyophilized powder
- Solubility:** 20 mg/ml in DMSO
- Working Condition:** 10 μ M
- Concentration:** N/A
- Quality Assurance:** >98% by HPLC and NMR
- Description:** Pifithrin-alpha is an inhibitor of p53, reversibly inhibits p53-dependent transactivation of p53-responsive genes and apoptosis. Pifithrin- α (10 μ M) enhances cell survival after genotoxic stress such as UV irradiation and treatment with DNA damage compounds including doxorubicin, etoposide, and paclitaxel.
- Storage:** Eligible for room temperature shipping. Store at -80°C upon receiving; avoid multiple freeze-thaw cycles after dissolving in DMSO.
- Note:** Briefly spin the tube before removing the cap.
- Literature:** Komarov, PG, *et al.* (1999) Science 285, 1733-1737

