

产品名称: MI-136

产品别名: MI-136

| 生物活性: | | | | | |
|--|--|--|-------------|-------------|--------------|
| Description | MI-136 inhibits DHT-induced expression of androgen receptor (AR) target genes. Target: androgen receptor in vitro: MI-136, a variant of a previously described inhibitor that can specifically inhibit the menin-MLL interaction. AR positive cell lines such as VCaP, LNCaP and 22RV1 are sensitive to MI-136. Treatment with MI-136 also inhibits the expression of genes that were bound to ASH2L after AR stimulation. Treatment with MI-136 induces apoptosis of VCaP cells as evidenced by PARP (cPARP) cleavage. Furthermore, treatment with MI-136 blocks DHT-induced cell proliferation in AR-dependent cell lines (LNCaP and VCaP). The effect of MI-136 on cell proliferation is similar to MDV-3100, a second-generation FDA-approved anti-androgen for patients with refractory prostate cancer. [1] in vivo: Treatment of VCaP tumor-bearing mice with MI-136 (40mg/kg) led to a modest but significant reduction in tumor volume with no effect on mouse body weight. [1] | | | | |
| Solvent&Solubility | In Vitro: DMSO : \geq 31 mg/mL (65.89 mM) * ">" means soluble, but saturation unknown. | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing | | 1 mg | 5 mg | 10 mg |
| | Stock Solutions | 1 mM | 2.1254 mL | 10.6268 mL | 21.2535 mL |
| | | 5 mM | 0.4251 mL | 2.1254 mL | 4.2507 mL |
| | | 10 mM | 0.2125 mL | 1.0627 mL | 2.1254 mL |
| *请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液。一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。 | | | | | |
| References | [1]. Malik R, et al. Targeting the MLL complex in castration-resistant prostate cancer. <u>Nat Med.</u> 2015 Apr;21(4):344-52. | | | | |

源叶生物