

Catalog Number: CM05009

产品信息

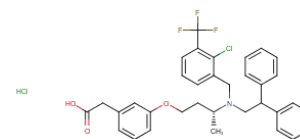
Catalog Number:
CM05009

CAS号:
610318-03-1

分子式:
C₃₄H₃₄Cl₂F₃NO₃
主要靶点:
Liver X Receptor

主要通路:
代谢

分子量:
632.54

溶解度:
DMSO:115 mg/mL (181.81 mM)


体内活性

通过口服给予动物RGX-104显著抑制了多种癌症类型的可触及肿瘤生长。在携带大型肿瘤的动物中，也观察到强烈的肿瘤生长抑制作用。与对照组相比，经过8天的治疗后，以RGX-104（100 mg/kg）处理的小鼠中，总CD45+淋巴细胞中凋亡性循环G-MDSCs显著增加。

动物实验

For MDSC adoptive transfer experiments into tumor-bearing mice, 2×10^6 MDSCs were isolated as described above from C57BL/6 tumor-bearing mice and subsequently labeled with BD Horizon Violet (BV) Proliferation Dye and then adoptively transferred via retro-orbital injection into wild-type mice. Mice were then treated with RGX-104 (100 mg/kg/day) or control diet for 36 hours. Spleens of recipient mice were then harvested and processed for flow cytometry analysis as described above. For MDSC adoptive transfer experiments in to WT and ApoE^{-/-} non-tumor bearing mice, 5×10^6 MDSCs were isolated as described above from tumor-bearing mice (either wild-type C57BL/6 or ApoE^{-/-} mice) and subsequently labeled with BV cell tracker dye and then adoptively transferred via retro-orbital injection into either wild-type or ApoE^{-/-} mice. Mice were then treated with GW3965 (100 mg/kg/day) or control diet for 48 hours. Spleens of recipient mice were then harvested and processed for flow cytometry analysis.

细胞实验

Myeloid-derived suppressor cells were isolated as previously described from splenic tissue of tumor-bearing mice. One hundred thousand cells were plated in quadruplicates in poly-L-lysine coated plates. After 3 hours of treatment with 1uM RGX-104 or DMSO as vehicle, cells were fixed with 4% PFA for 15 minutes and wash 3 times with 1X PBS prior staining. Rabbit monoclonal anti-Ki67 antibody (1:400 dilution) was applied at 4C overnight. Cells were incubated with Alexa Fluor 488 secondary antibody (1:200 dilution) for one hour at room temperature, counterstained with DAPI (1:1000 dilution) and mounted with Prolong Gold. For the analysis of the percentage of Ki67 positive cells, five fields from each replicate were imaged at 20x magnification using Zeiss Axio Imager fluorescence microscope.

储存

keep away from direct sunlight,keep away from moisture,store at low temperature | Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.