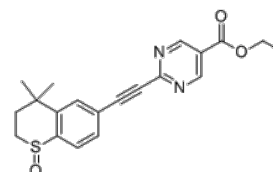


Product Name : WYC-209
Cat. No. : PC-63510
CAS No. : 2131803-90-0
Molecular Formula : C₂₀H₂₀N₂O₃S
Molecular Weight : 368.451
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

WYC-209 is a novel synthetic retinoid that inhibits proliferation of malignant murine melanoma tumor-repopulating cells (TRCs) with IC₅₀ of 0.19 μM, targets retinoic acid receptor (**RAR**).

WYC-209 also inhibits proliferation of TRCs of human melanoma, lung cancer, ovarian cancer, and breast cancer in culture. WYC-209 abrogates lung metastases of melanoma TRCs in immune-competent wild-type C57BL/6 mice at 0.22 mg/kg without showing apparent toxicity.

WYC-209 induces TRCs apoptosis primarily via the caspase 3 pathway, RAR siRNAs or antagonists can block or reduce the inhibitory effect of WYC-209.

References

Chen J, et al. *Nat Commun.* 2018 Apr 11;9(1):1406.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com