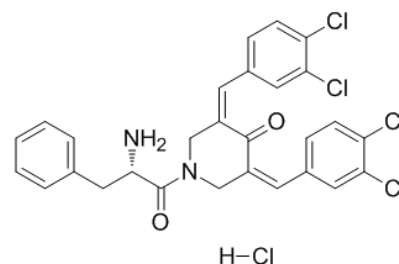


Product Name : RA190
Cat. No. : PC-42242
CAS No. : 1617495-03-0
Molecular Formula : C₂₈H₂₃Cl₅N₂O₂
Molecular Weight : 596.7594
Target : Proteasome
Solubility : DMSO: 10 mM



Biological Activity

RA190 (RA-190) is a reversible, highly selective, orally active inhibitor of the **proteasomal ubiquitin receptor Rpn13**, exhibits potent anti-proliferative effects against MM lines (IC₅₀<0.1 uM) and HPV-transformed cells (IC₅₀<0.3 uM).

RA190 is a bis-benzylidene piperidone that covalently binds to Cys 88 of ubiquitin receptor RPN13 in the 19S regulatory particle and inhibits proteasome function.

RA190 inhibits proteasome function, triggering rapid accumulation of polyubiquitinated proteins.

RA190 profoundly reduced growth of MM and ovarian cancer xenografts.

References

Anchoori RK, et al. **Cancer Cell**. 2013 Dec 9;24(6):791-805.

Randles L, et al. **J Biol Chem**. 2016 Apr 15;291(16):8773-83.

Song Y, et al. **Leukemia**. 2016 Sep;30(9):1877-86.

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

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