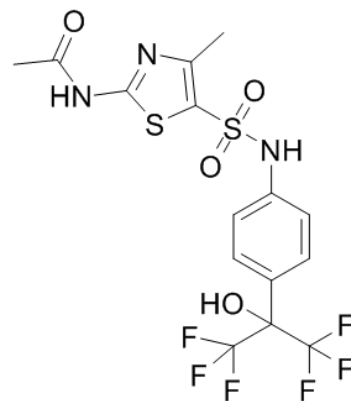


Product Name : SR1001
Cat. No. : PC-43525
CAS No. : 1335106-03-0
Molecular Formula : C₁₅H₁₃F₆N₃O₄S₂
Molecular Weight : 477.40
Target : ROR
Solubility : DMSO: ≥ 39 mg/mL



Biological Activity

SR1001 is a highly potent, specific, inverse agonist of both **ROR α** and **ROR γ t** with binding K_i of 172 and 111 nM, does not bind ROR β and devoid of LXR activity.

SR1001 inhibits the development of murine T(H)17 cells by inhibition of IL-17A gene expression and protein production, also inhibits the expression of cytokines when added to differentiated murine or human T(H)17 cells.

SR1001 modulates the expression of ROR target genes by decreasing coactivator recruitment (SRC2).

SR1001 effectively suppresses the clinical severity of autoimmune disease in mice.

References

Solt LA, et al. *Nature*. 2011 Apr 28;472(7344):491-4.

Solt LA, et al. *Endocrinology*. 2015 Mar;156(3):869-81.

Beurel E, et al. *Biol Psychiatry*. 2013 Apr 1;73(7):622-30.

Ding Q, et al. *BMC Immunol*. 2015 May 29;16:32.

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

E-mail: tech@probechem.com