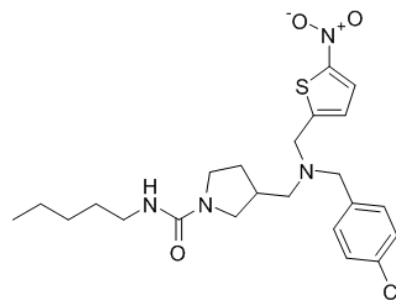


Product Name : SR9011
Cat. No. : PC-45116
CAS No. : 1379686-29-9
Molecular Formula : C₂₃H₃₁ClN₄O₃S
Molecular Weight : 479.0352
Target : Rev-ErbA
Solubility : DMSO: ≥ 43 mg/mL



Biological Activity

SR9011 is a potent, small molecule nuclear receptors **REV-ERB α / β** agonist with IC₅₀ of 670/800 nM, respectively. SR9011 potently and efficaciously suppresses transcription in a cotransfection assay using full-length REV-ERB α along with a luciferase reporter driven by the Bmal1 promoter (IC₅₀=710 nM). SR9011 decreases obesity by reducing fat mass and markedly improves dyslipidaemia and hyperglycaemia in diet-induced obese mice.

References

- Solt LA, et al. *Nature*. 2012 Mar 29;485(7396):62-8.
Banerjee S, et al. *Nat Commun*. 2014 Dec 23;5:5759.
Alibhai FJ, et al. *J Mol Cell Cardiol*. 2017 Apr;105:24-37.

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

E-mail: tech@probechem.com