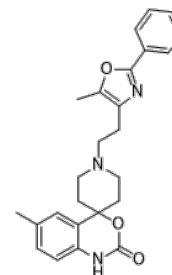


Product Name : RS504393
Cat. No. : PC-23688
CAS No. : 300816-15-3
Molecular Formula : C₂₅H₂₇N₃O₃
Molecular Weight : 417.51
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

RS504393 is a potent, selective CCR2 antagonist with IC₅₀ of 89 nM, shows no activity against CCR1.

RS504393 reduced renal interstitial fibrosis relative to wild-type mice.

RS504393 attenuates hyperglycaemia and inflammation in a mouse model of hepatic steatosis and lipotrophy.

RS504393 significantly inhibited the expression of CCR1, CCR2 and interleukin (IL)-8 after either LPS or tumor necrosis factor-alpha stimulation in A549 cells.

RS504393 improves insulin resistance, lipid metabolism, and diabetic nephropathy in type 2 diabetic mice.

References

Kitagawa K, et al. Am J Pathol. 2004 Jul;165(1):237-46.

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

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