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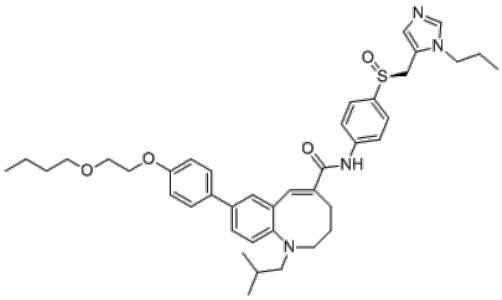
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Cenicriviroc
Cat. No.	:	PC-38499
CAS No.	:	497223-25-3
Molecular Formula	:	$C_{41}H_{52}N_4O_4S$
Molecular Weight	:	696.94
Target	:	Chemokine Receptor (CCR and CXCR)
Solubility	:	10 mM in DMSO



Biological Activity

Cenicriviroc (TAK-652, TBR-652) is a potent, selective, orally active, dual **CCR2/CCR5** antagonist with IC50 of 5.9/0.29 nM, inhibits both HIV-1 and HIV-2 and prevents viral cellular entry.
Cenicriviroc (TAK-652, TBR-652) exhibits effective EC50 of 0.03, 0.33, 0.45 and 0.98 nM against 4 R5 HIV-2 clinical isolates.
Cenicriviroc (≥20 mg/kg/day) significantly reduces monocyte/macrophage recruitment in vivo.
Cenicriviroc (TAK-652, TBR-652) shows antifibrotic effects, with significant reductions in collagen deposition, and collagen type 1 protein and mRNA expression across animal models of fibrosis.

References

Lefebvre E, et al. ***PLoS One.*** 2016 Jun 27;11(6):e0158156

Kuwata T, et al. ***Antimicrob Agents Chemother.*** 2015 Nov 2;60(1):437-5

Baba M, et al. ***Antimicrob Agents Chemother.*** 2005 Nov;49(11):4584-91.

E-mail: tech@probechem.com