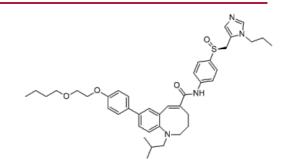


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Data Sheet

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 ₄ O ₄ S |
| 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 (\geq 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.

> Caution: Product has not been fully validated for medical applications. Lab Use Only! E-mail: tech@probechem.com