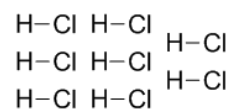
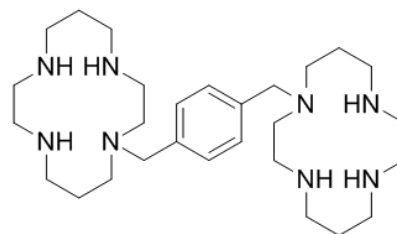


Product Name : Plerixafor octahydrochloride
Cat. No. : PC-45905
CAS No. : 155148-31-5
Molecular Formula : C₂₈H₆₂Cl₈N₈
Molecular Weight : 794.4695
Target : Chemokine Receptor (CCR and CXCR)
Solubility : H₂O: ≥ 42 mg/mL



Biological Activity

A potent, selective CXCR4 inhibitor (IC₅₀=44 nM) that inhibits the replication of various HIV-1 and HIV-2 strains in various cell lines with EC₅₀ of 10ng/ml; can produce mesenchymal stem cells and endothelial progenitor cells in mice in combination with VEGF; also is an allosteric agonist of CXCR7.

Multiple Sclerosis

Preclinical

References

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De Clercq E, et al. Antimicrob Agents Chemother. 1994 Apr;38(4):668-74.

Pitchford SC, et al. Cell Stem Cell. 2009 Jan 9;4(1):62-72.

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

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