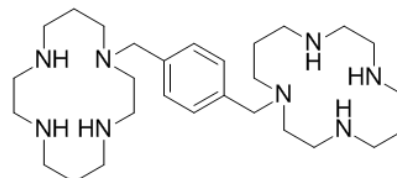


**Product Name** : Plerixafor  
**Cat. No.** : PC-42164  
**CAS No.** : 110078-46-1  
**Molecular Formula** : C<sub>28</sub>H<sub>54</sub>N<sub>8</sub>  
**Molecular Weight** : 502.782  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent, selective CXCR4 inhibitor (IC<sub>50</sub>=44 nM) that inhibits the replication of various HIV-1 and HIV-2 strains in various cell lines with EC<sub>50</sub> 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.

Blood Cancer

Approved

## References

Zabel BA, et al. J Immunol. 2009, 183(5), 3204-3211.

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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