

[Open Peer Review on Qeios](#)

# Plerixafor

National Cancer Institute

## Source

National Cancer Institute. *Plerixafor*. NCI Thesaurus. Code C1777.

A bicyclam with hematopoietic stem cell-mobilizing activity. Plerixafor blocks the binding of stromal cell-derived factor (SDF-1alpha) to the cellular receptor CXCR4, resulting in hematopoietic stem cell (HSC) release from bone marrow and HSC movement into the peripheral circulation.