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# Rivogenlecleucel

National Cancer Institute

## Source

National Cancer Institute. *Rivogenlecleucel*. NCI Thesaurus. Code C105395.

Allogeneic, T-lymphocytes with potential immune reconstitution activity. Donor T-lymphocytes are transduced with a retroviral vector (BPZ-1001) encoding the inducible suicide gene caspase 9 (iCasp9) and linked to a drug binding domain. Donor T-cell therapy may help control transplant-related infections following allogeneic hematopoietic stem cell transplantation. However, the addition of donor T-cells can lead to graft-versus-host disease (GVHD). In the event that GVHD begins to develop, the chemical homodimerizer AP1903 can be administered, which binds to the drug binding domain and induces caspase 9 expression. This activates apoptosis in the T-cells causing GVHD.