

TNX-355

Drug Description

TNX-355 is a humanized IgG4 anti-CD4 domain 2 monoclonal antibody. [1]

HIV/AIDS-Related Uses

TNX-355 is being investigated for the treatment of HIV.[2]

Pharmacology

TNX-355 has potent anti-HIV activity in vitro. It binds to domain 2 of CD4 molecules. Unlike anti-CD4 antibodies that target domain 1 of CD4, TNX-355 does not appear to interfere with immunologic functions involving antigen presentation and is not immunosuppressive.[3] [4]

Adverse Events/Toxicity

In a Phase 1a safety study, TNX-355 was well-tolerated and no serious adverse effects were reported.[5]

Clinical Trials

For information on clinical trials that involve TNX-355, visit the ClinicalTrials.gov web site at <http://www.clinicaltrials.gov>. In the Search box, enter: TNX-355 AND HIV Infections.

Dosing Information

Mode of Delivery: Intravenous.[6]

Other Names

Hu5A8[7]

Further Reading

Reimann KA, Khunkhun R, Lin W, Gordon W, Fung M. A humanized, nondepleting anti-CD4 antibody that blocks virus entry inhibits virus replication in rhesus monkeys chronically infected with simian immunodeficiency virus. *AIDS Res Hum Retroviruses*. 2002 Jul 20;18(11):747-55.

Boon L, Holland B, Gordon W, Liu P, Shiao F, Shanahan W, Reimann KA, Fung M. Development of anti-CD4 MAb hu5A8 for treatment of HIV-1 infection: preclinical assessment in non-human primates. *Toxicology*. 2002 Apr 2;172(3):191-203.

Reimann KA, Lin W, Bixler S, Browning B, Ehrenfels BN, Lucci J, Miatkowski K, Olson D, Parish TH, Rosa MD, Oleson FB, Hsu YM, Padlan EA, Letvin NL, Burkly LC. A humanized form of a CD4-specific monoclonal antibody exhibits decreased antigenicity and prolonged plasma half-life in rhesus monkeys while retaining its unique biological and antiviral properties. *AIDS Res Hum Retroviruses*. 1997 Jul 20;13(11):933-43.

Manufacturer Information

TNX-355
Tanox, Inc.
4888 Loop Central Drive, Suite 820
Houston, TX 77081-2225

For More Information

Contact your doctor or an AIDSinfo Health Information Specialist:

- Via Phone: 1-800-448-0440 Monday - Friday, 12:00 p.m. (Noon) - 5:00 p.m. ET
- Via Live Help: http://aidsinfo.nih.gov/live_help Monday - Friday, 12:00 p.m. (Noon) - 4:00 p.m. ET

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References

1. Conf Retroviruses Opportunistic Infect. - 10th. February 2003. Abstract 13.
2. Tanox, Inc - Available at <http://www.tanox.com>. Accessed 10/24/03.
3. Conf Retroviruses Opportunistic Infect. - 10th. February 2003. Abstract 13.
4. Tanox, Inc - Available at <http://www.tanox.com>. Accessed 10/24/03.
5. Conf Retroviruses Opportunistic Infect. - 10th. February 2003. Abstract 13.
6. Conf Retroviruses Opportunistic Infect. - 10th. February 2003. Abstract 13.
7. Conf Retroviruses Opportunistic Infect. - 10th. February 2003. Abstract 13.