NAM

77a Tradescant Road London SW8 1XJ Phone: 020 3242 0820

Website: www.aidsmap.com E-mail: info@nam.org.uk Charity number 1011220

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This leaflet can be viewed in large format as a PDF. Call NAM on 020 3242 0820.



This organisation has been certified as a producer of reliable health and social care information.

www.theinformationstandard.org



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Notes

Entry inhibitors

These include CCR5 inhibitors and fusion inhibitors.

'Nukes' and 'non-nukes'

inhibitors (NRTIs, for short). The scientific name for 'non-nukes' is non-nucleoside reverse transcriptase inhibitors (NNRTIs).	se

Contact us by calling 020 3242 0820 or by sending an email to info@nam.org.uk

Want to find out more?

For more information on this topic:

nam aidsmap

The basics

How treatment works

- read NAM's fact sheets 'HIV treatment' and 'HIV lifecycle'
- read Terrence Higgins Trust's booklet 'Your treatment'. or
- speak to an adviser at THT Direct (phone: 0808 802 1221).

For more information about HIV

You can get free fact sheets, booklets, email bulletins and a newsletter from our website at www.aidsmap.com/ resources. You can get answers to common questions at www.aidsmap. com/hiv-basics and find local services at www.aidsmap.com/e-atlas.

a doctor or other health worker.

Has this resource been useful to you?

Please let us know what you think by visiting our website at www.aidsmap. com/feedback, phoning us or sending an email to info@nam.org.uk. Your feedback helps us to improve the services we offer you.

You can contact us to find out more about the scientific research and information we have used to produce this leaflet.

We recommend that you discuss the information in this leaflet with



HIV treatment helps you stay well by reducing the amount of HIV in your body.

All anti-HIV drugs try to prevent HIV infecting new cells. But different types of drugs do this in different ways.

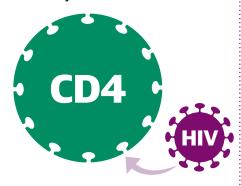
A combination of two different types of drugs provides a powerful attack on HIV.

The aim of treatment is an 'undetectable viral load' - very low levels of HIV in the blood.

Here's how HIV infects cells in the body. The different drugs interfere with different parts of the process.

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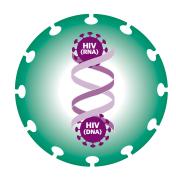
HIV attaches itself to a CD4 cell. CD4 cells are an important part of our immune system, the body's defence system.



Drugs called **'entry inhibitors'** try to stop this happening.

2

Inside the cell, HIV changes its structure.



Drugs called 'nukes' and 'non-nukes' prevent this.

3

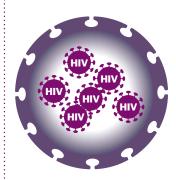
HIV hides itself deeper in the cell.



'Integrase inhibitors' stop this happening.

4

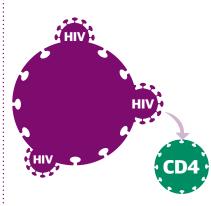
More HIV is produced.



The 'protease inhibitor' (PI) drugs try to prevent this happening.



The new HIV pushes out from the cell, and moves on to find other cells to infect.



Important points

- Each type of drug blocks HIV in a different way.
- We take a combination of several drugs to give a strong attack on HIV.
- The aim of treatment is to have as little HIV as possible.