Periodic graphics

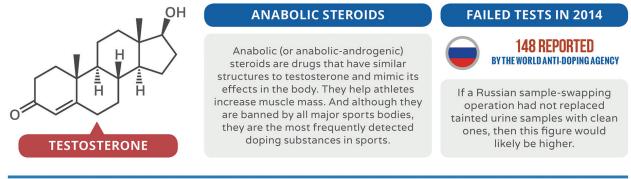
A collaboration between C&EN and Andy Brunning, author of the popular graphics blog **Compound Interest**

More online

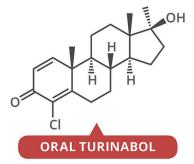
To see more of Brunning's work, go to compoundchem.com. To see all of C&EN's Periodic Graphics, visit cenm.ag/ periodicgraphics.

THE RUSSIAN DOPING SCANDAL

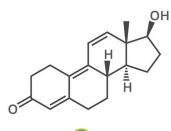
Months before the Rio Olympics, Russia's former antidoping lab director told the *New York Times* he covered up doping at the 2014 Sochi Games. Here, we look at the drugs allegedly used.

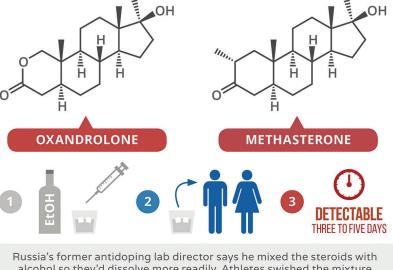


"THE DUCHESS": A COCKTAIL OF THREE ANABOLIC STEROIDS



Switched to trenbolone (below) after the 2012 London Games





Russia's former antidoping lab director says he mixed the steroids with alcohol so they'd dissolve more readily. Athletes swished the mixture in their mouths then spit it out. Absorption through the cheek lining shortened the window during which the steroids could be detected.

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