

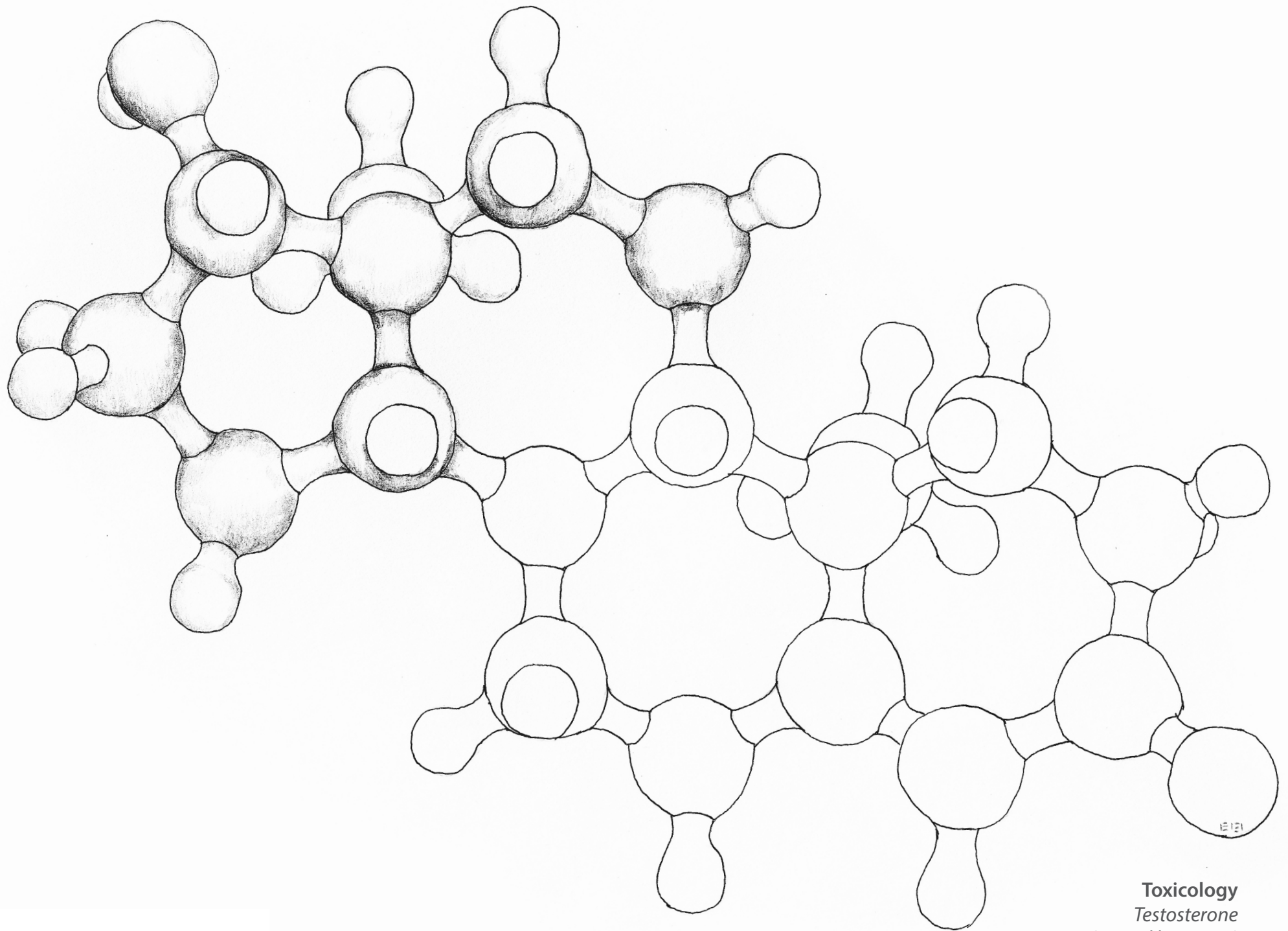
# Hormones

Your body is remarkable. Hormones are natural chemicals in your body that help shape your body and behaviour.

This image depicts the molecular structure of testosterone ( $C_{19}H_{28}O_2$ ), a steroid hormone made naturally by your body.

Toxicologists carry out screening in athletes to check their steroid levels. Although testosterone is natural, higher levels of this and other steroids in urine can suggest supplements are being taken to artificially enhance physique and performance.

Add shading and colour to make this molecule handsome. At this scale it is too small to be seen, and depicted as a 'ball and stick' model to reveal the basic structure. Balls represent atoms, while sticks represent the forces between them (covalent bonds). The large balls are carbon (often represented in black) with up to four bonds, while the smaller balls on the outside with just one bond are hydrogen atoms (usually in white). At the top left and bottom right, are two balls similar in size to carbon, which are oxygen atoms (often represented in red). You could use conventional colours or add whichever colours, you wish.



**Toxicology**  
*Testosterone*  
(steroid hormone)