

Answers: Were these chemicals originally identified from natural sources or were they originally made synthetically in the laboratory?

*Note: many chemicals originally identified from natural sources have subsequently been synthesized in the laboratory – nevertheless, these are marked as “Natural”. In some cases, an active ingredient was identified from a natural source and subsequently synthetically altered slightly for medicinal purposes – these also are marked “Natural”. Note also that the answers overall should not be considered absolute – it is often a judgment call whether a material can be described as “found” in nature vs. requiring so much purification/preparation as to be considered synthetic. Contact us if you find out more about these chemicals to update this page!*

1. Aspirin - Natural
2. Azathioprine - Synthetic
3. Boric Acid - Synthetic
4. Butyric Acid - Natural
5. Cimetidine - Synthetic
6. Cortisol - Natural
7. Domperidone - Synthetic
8. Ethyl butyrate - Synthetic
9. Ethylene diamine tetraacetic acid - Synthetic
10. Fexofenadine - Synthetic
11. Formoterol - Synthetic
12. Isoaminile - ?
13. Isosorbide mononitrate - Synthetic
14. Levocetirizine - Synthetic
15. Lidocaine - Synthetic
16. Linoleic Acid - Natural
17. Loratadine - Synthetic
18. Methotrexate - Synthetic
19. Metoprolol - Synthetic
20. Naproxen – Synthetic
21. Okadaic Acid - Natural
22. Omeprazole - Synthetic
23. Paracetamol - Synthetic
24. Phenylephrine - Synthetic
25. Piperidione – Synthetic (?)
26. Prednisolone - Synthetic
27. Rifampicin - Natural (positive control)
28. Rofecoxib - Synthetic
29. Sulfasalazine - Synthetic
30. Tetracycline - Natural
31. Theobromine - Natural
32. Water – Natural (negative control)