

Natural Product Libraries

Natural products are unsurpassed sources of chemical diversity. Historically, natural products have been the most successful source of new pharmaceuticals and are an ideal starting point for any high-throughput screening (HTS) project.

ChromaDex natural product libraries provide advantages over traditional libraries. We have built an extensive collection of phytochemical compounds as well as authenticated plant materials, many of which are unique to our catalog. ChromaDex natural product libraries are HTS ready (96 well plate, 10mg/ml in DMSO, 100µl per well) and can be paired for dereplication.

ChromaDex has proven expertise in the production and scale up of natural products. As hits are identified, we can support your continued research and commercialization activities from initial identification to finished product development.



NCL - Natural Compound Library

The ChromaDex Natural Compound Library has been developed with a key balance of known active and well characterized phytochemicals in combination with unusual and difficult to isolate compounds.

- 1,650 compounds total
- 1,200 are extensively characterized
- 650 are rare compounds
- Neat inventory immediately available

BXL - Botanical Extract Library

The ChromaDex Botanical Extract Library has been produced through a proprietary extraction process combining both serial and parallel techniques to decrease false negatives and maximize screening hits.

- 2,418 total fractions
- Derived from 403 plants & plant parts
- Cross fraction synergy preserved

Example chemical families represented in the NCL

- | | |
|---------------------------|--------------------|
| 1. Aflatoxins | 23. Mycotoxins |
| 2. Alkaloids | 24. Organic Acids |
| 3. Amino Acids | 25. Phenolic Acids |
| 4. Anthocyanidins | 26. Phthalides |
| 5. Anthraquinones | 27. Phytosterols |
| 6. Cardiolglycosides | 28. Purines |
| 7. Carotenoids | 29. Quassinoids |
| 8. Catechins | 30. Quinones |
| 9. Coumarins | 31. Saponins |
| 10. Cyanogenic Glucosides | 32. Sesquiterpenes |
| 11. Diterpenes | 33. Statins |
| 12. Fatty Acids | 34. Steroids |
| 13. Flavonoids | 35. Stilbenoids |
| 14. Furocoumarins | 36. Sugars |
| 15. Glucosinolates | 37. Sulfides |
| 16. Hydrocarbons | 38. Sulfinic Acids |
| 17. Iricoids | 39. Tannins |
| 18. Isobutylamides | 40. Taxanes |
| 19. Isothiocyanates | 41. Terpenes |
| 20. Kavalactones | 42. Vitamins |
| 21. Lignans | 43. Xanthones |
| 22. Liminoids | 44. Xanthophylls |