

# Natural Anti-Cancer Compounds

Natural compounds have been important sources for therapeutic drugs and for the discovery of novel targets involved in cancer. Naturally-derived drugs are favoured over synthetic drugs, due to better absorption and metabolism in the body and fewer side effects. Natural products have several mechanisms of anti-cancer activity, mediated by their antioxidative properties, anti-inflammatory actions, ability to induce DNA damage and apoptosis.



Cas No.	Product Code	Product Name	Product Description
119413-54-6	<a href="#">FT28329</a>	Topotecan HCl	DNA topoisomerase I inhibitor; water-soluble analog of camptothecin
136572-09-3	<a href="#">BI164583</a> <a href="#">FI10828</a>	Irinotecan HCl	DNA topoisomerase I inhibitor; prodrug of SN 38
7689-03-4	<a href="#">FC15450</a>	(S)-(+)-Camptothecin	DNA topoisomerase I inhibitor; pro-apoptotic
25316-40-9	<a href="#">AD15377</a> <a href="#">BD164391</a>	Doxorubicin HCl	DNA topoisomerase II inhibitor; pro-apoptotic; antibiotic
143-67-9	<a href="#">FV28694</a> <a href="#">BV179887</a>	Vinblastine sulfate	Disrupts microtubule assembly; anti-cancer agent
33069-62-4	<a href="#">FP10637</a> <a href="#">Q-201533</a>	Paclitaxel	Microtubule-disrupting agent; pro-apoptotic
39262-14-1	<a href="#">MG33283</a>	Ginsenoside C-K	Inhibitor of CYP2C9 and CYP2A6 enzymes; anti-inflammatory; anti-angiogenic
67604-48-2	<a href="#">FN01176</a>	(±)-Naringenin	Inhibitor of CYP3A4 and Shad 3 transcription; anti-oxidant
19121-58-5	<a href="#">OS65589</a>	Solasoline	Membrane-disrupting agent; cytotoxic
20311-51-7	<a href="#">OS65545</a>	α-Solamargine	Membrane-disrupting agent; cytotoxic
50-76-0	<a href="#">AD20776</a>	Dactinomycin	Inhibitor of DNA-primed RNA synthesis; antibiotic
18378-89-7	<a href="#">AM34906</a>	Mithramycin A	Inhibitor of RNA synthesis; antibiotic
9041-93-4	<a href="#">AB15942</a>	Bleomycin sulfate	Glycopeptide antibiotic; induces DNA strand breaks
5957-80-2	<a href="#">FC41666</a>	Carnosol	Targets PI3K and NFκB; anti-inflammatory; antioxidant
117-39-5	<a href="#">FQ32160</a>	Quercetin	Mitochondrial ATPase and phosphodiesterase inhibitor; pro-apoptotic; anti-oxidant
446-72-0	<a href="#">FG09961</a>	Genisteine	Inhibitor of protein tyrosine kinases; anti-angiogenic
501-36-0	<a href="#">FR09412</a> <a href="#">FR111878</a>	Resveratrol	COX-1 inhibitor; SIRT1 activator; neuroprotective; anti-diabetic; anti-adipogenic
20283-92-5	<a href="#">FR02310</a>	Rosmarinic acid	Anti-oxidant; anti-inflammatory; anti-microbial
474-08-8	<a href="#">OS65883</a>	Solanin D	Cholinesterase inhibitor
126-17-0	<a href="#">OS73940</a>	Solasodine	Immunomodulatory; cytotoxic
56124-62-0	<a href="#">AV28661</a>	Valrubicin	Chemotherapy for bladder cancer; semi-synthetic analog of doxorubicin
520-36-5	<a href="#">FA16099</a> <a href="#">FA159894</a>	Apigenin	Casein kinase II inhibitor; antioxidant; anti-inflammatory

# About Biosynth

Securing Life Sciences Supply Chains - where Chemistry meets Biology, Products meet Services and Innovation meets Quality, Biosynth is at the Edge of Innovation.

With an unrivalled research product portfolio and end-to-end manufacturing services, we are science led and customer focused to solve problems and deliver key reagents at scale and quality. Our expertise and capability runs across Complex Chemicals, Peptides and Key Biologics all from one trusted partner.

Biosynth is an innovative life sciences reagents, custom synthesis and manufacturing services company. We are by scientists, for scientists, securing supply chains with consistent quality, across the globe. We manufacture and source a vast range of chemical and biochemical products, and take pride in delivering products that others cannot. We are experts in complex chemistry, peptides and key biological raw materials. We provide a full range of products and services to support life science research and development, with more than half a million products in our research catalog and hundreds of complex manufacturing service projects.

Our complex chemistry specialties include enzyme substrates, carbohydrate and nucleoside chemistry, with manufacturing services from the first idea to the finished product, from route scouting to GMP or ton scale production. For peptides, we also have a full end-to-end offering, from lead discovery and optimization, library production, through to GMP NCE or Neoantigen projects.

Across biologics we have a synergistic offering, with an extensive range of custom bioprocessing enzyme projects for production of key products. We are also able to offer custom antibody projects, and epitope mapping. Through the Biosynth group we also offer development of antibodies, antigens and supply of plasma for in vitro diagnostics.

The trusted supplier, manufacturer and partner for the pharmaceutical, life science and diagnostic sectors, along with customers across food, agrochemistry and cosmetics, we have facilities across three continents and a rapid global distribution network. Our main chemical research and manufacturing laboratories are in Switzerland, the United Kingdom, Slovakia and China, with peptide production in the USA and the Netherlands. Enzyme projects are based in Austria and biological IVD reagents in Ireland. Our R&D resources and production facilities are modern and versatile, allowing us to produce chemicals on the milligram to ton scale, and at ISO 9001 and GMP, with peptides at mg to multikilogram scale.