

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in Centaurea cyanus**

<b>Activity</b>	<b>Chemical Count</b>
11B-HSD-Inhibitor	3
5-Lipoxygenase-Inhibitor	2
Acidulant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	13
Allelochemic	4
Allelopathic	4
Allergenic	5
Alpha-Glucosidase-Inhibitor	1
Analgesic	6
Androgenic	1
Anesthetic	2
Angiogenic	1
Anorexic	1
Anthelmintic	2
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadrenergic	1
Antiaflatoxin	4
Antiaggregant	8
Antiaging	3
Antiakathisic	1
Antiallergic	5
Antialzheimeran	1
Antianaphylactic	1
Antiandrogenic	1

Activity	Chemical Count
Antianemic	1
Antiangiogenic	3
Antiarrhythmic	5
Antiarthritic	2
Antiasthmatic	3
Antiatherogenic	2
Antiatherosclerotic	2
Antibacterial	20
Antibiotic	1
Antibradykinic	1
Antibronchoconstrictor	1
Anticancer	4
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	2
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Lung)	2
Anticancer (Skin)	2
Anticanker	1
Anticapillary-Fragility	2
Anticarcinogenic	4
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticariogenic	2
Anticataract	2
Anticheilitic	1

Activity	Chemical Count
Anticholinergic	1
Anticlastogen	2
Anticolitic	1
Anticomplementary	3
AntiCrohn's	1
Anticystitic	1
Antidandruff	1
Antidepressant	2
Antidermatic	1
Antidermatitic	2
Antidermatotic	1
Antidiabetic	2
Antidiarrheic	1
Antidysenteric	1
Antidysmenorrhic	1
AntiEBV	1
Antieczemic	1
Antiedemic	4
Antielastase	2
Antiencephalitic	1
Antiescherichic	2
Antiestrogenic	5
Antifatigue	1
Antifeedant	7
Antifertility	3
Antifibrosarcomic	1
Antiflu	2

Activity	Chemical Count
Antigastric	1
Antigenotoxic	1
Antigingivitic	1
Antigonadotrophic	1
Antigonadotropic	3
AntiGTF	1
Antihemolytic	2
Antihepatoadenomic	1
Antihepatotoxic	9
Antiherpetic	9
Antihistaminic	8
AntiHIV	6
Antihydrophobic	1
Antihypercholesterolemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	2
Antihyperthyroid	2
Antiichthyosic	1
Antiimplantation	1
Antiinflammatory	16
Antiischemic	1
AntiLegionella	3
Antileishmanic	1
Antileukemic	10
Antileukotriene	3
Antileukotrienogenic	1
Antilipolytic	1

Activity	Chemical Count
Antilipoperoxidant	1
Antilymphocytic	1
Antilymphomic	2
Antimalarial	1
Antimelanogenic	3
Antimelanomic	3
Antimenorrhagic	1
Antimetastatic	2
Antimitotic	2
Antimutagenic	14
Antimyocarditic	1
Antineoplastic	1
Antinephritic	1
Antineuralgic	1
Antinitrosaminic	5
Antinociceptive	2
Antioncychomycotic	1
Antiophidic	4
Antiotitic	2
Antioxidant	19
Antipancreatic	1
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	8

Activity	Chemical Count
Antipharyngitic	1
Antiplateque	2
Antiplasmodial	1
AntiPMS	1
Antipodagric	1
Antipodriac	1
Antipolio	4
Antiprogestational	1
Antiproliferant	5
Antiprostaglandin	4
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	2
Antipsoriac	2
Antipyretic	3
Antiradicular	11
Antirenitic	1
Antirheumatic	1
Antisalmonella	2
Antiseborrheic	1
Antiseptic	11
Antiserotonin	2
Antisickling	2
Antisilicotic	1
Antispasmodic	12
Antistaphylococcic	3
Antistomatitic	1

Activity	Chemical Count
Antistreptococcic	1
Antistress	1
Antisunburn	2
Antithiamin	2
Antithrombic	2
Antithyroid	3
Antitrypanosomic	1
Antitumor	14
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	3
Antitumor (Cervix)	1
Antitumor (Colon)	5
Antitumor (Forestomach)	2
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	4
Antitumor (Mouth)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Skin)	7
Antitumor (Stomach)	1
Antitumor (Thyroid)	1
Antitumor-Promoter	7
Antitussive	2
Antitympanic	1
Antiulcer	4

Activity	Chemical Count
Antiulcerogenic	1
Antivaccinia	1
Antivaginitic	2
Antiviral	12
Antiyeast	1
Anxiolytic	2
Aphidifuge	1
Apoptotic	7
Aromatase-Inhibitor	3
Artemicide	1
Arteriodilator	1
Ascaricide	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	1
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bronchorelaxant	1
Calcium-Antagonist	3
Calcium-Antagonist?	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	19
Candidicide	5
Capillariprotective	1
Carcinogenic	5
Cardiac	1



Activity	Chemical Count
Cardioprotective	2
Caspase-8-Inducer	1
Catabolic	1
Chelator	1
Chemopreventive	5
Cholagogue	4
Choleretic	12
Clastogenic	2
CNS-Active	2
CNS-Depressant	2
CNS-Stimulant	2
Co-carcinogenic	1
Collagen-Sparing	2
Comedolytic	1
COMT-Inhibitor	2
Copper-Chelator	2
Counterirritant	1
COX-1-Inhibitor	1
COX-2-Inhibitor	5
Cyclooxygenase-Inhibitor	5
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	8
Deiodinase-Inhibitor	3
Demulcent	1
Dermatitigenic	1

Activity	Chemical Count
Diaphoretic?	3
Differentiator	3
Diuretic	5
DNA-Active	1
DNA-Protective	2
Emetic	2
Encephalopathic	1
Estrogenic	5
Expectorant	2
Febrifuge	1
FLavor	1
Fungicide	13
Fungistat	1
Glucosyl-Transferase-Inhibitor	2
Glutathione-Depleting	1
Gonadotrophic	1
Hemostat	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	10
Hepatotoxic	1
Hepatotropic	2
Herbicide	3
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	2

Activity	Chemical Count
Hydrocholerectic	1
Hypocholesterolemic	4
Hypoglycemic	5
Hypolipidemic	2
Hypotensive	3
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Immunostimulant	4
Immunosuppressant	3
iNOS-Inhibitor	4
Inotropic	3
Insectifuge	6
Insectiphile	1
Insulinogenic	1
Interferonogenic	1
Interleukin-6-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	1
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Keratolytic	1
Larvostat	2
Laxative	1
Leukotriene-Inhibitor	2
Lipoxygenase-Inhibitor	8
Lyase-Inhibitor	1

Activity	Chemical Count
MAO-A-Inhibitor	1
MAO-Inhibitor	5
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2
MMP-9-Inhibitor	2
Mucolytic	1
Musculotropic	2
Mutagenic	3
Myorelaxant	3
NADH-Oxidase-Inhibitor	2
Natriuretic	1
NEP-Inhibitor	2
Nephrotoxic	1
Neuroprotective	2
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	3
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Ornithine-Decarboxylase-Inhibitor	6
Osteolytic	1
Oviposition-Stimulant	1
P21-Inducer	1
P450-Inducer	1

Activity	Chemical Count
P450-Inhibitor	1
PAF-Inhibitor	1
Perfumery	2
Pesticide	24
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Photoactive	1
Phytoalexin	3
Phytohormonal	1
Pigment	2
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Preservative	1
Progestational	1
Proliferant	2
Prooxidant	2
Prostaglandigenic	5
Prostaglandin-Synthesis-Inhibitor	3
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	2
Psychotropic	1
PTK-Inhibitor	3
Quinone-Reductase-Inducer	4
Radioprotective	1

Activity	Chemical Count
Secretagogue	2
Sedative	2
Spermicide	2
Succinoxidase-Inhibitor	1
Sunscreen	5
Sweetener	1
Teratologic	2
Thermogenic	1
Tineacide	1
TNF-alpha-Inhibitor	4
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	3
Tumorigenic	2
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	1
Ubiquitin	5
Ulcerogenic	3
Uricosuric	1
Uterosedative	2
Uterotrophic	2
Vasodilator	5
VEGF-Inhibitor	3
Verrucolytic	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	6