

**Dr. Duke's Phytochemical and Ethnobotanical Databases****Biological Activities found in *Boswellia sacra***

| Activity                   | Chemical Count |
|----------------------------|----------------|
| (-)-Chronotropic           | 1              |
| (-)-Inotropic              | 1              |
| 5-Lipoxygenase-Inhibitor   | 4              |
| Acaricide                  | 4              |
| ACE-Inhibitor              | 4              |
| AChE-Inhibitor             | 1              |
| Aldose-Reductase-Inhibitor | 6              |
| Allelochemic               | 5              |
| Allelopathic               | 3              |
| Allergenic                 | 9              |
| Analgesic                  | 5              |
| Anesthetic                 | 1              |
| Antiacetylcholine          | 1              |
| Antiacetylcholinesterase   | 7              |
| Antiacne                   | 5              |
| Antiadenomic               | 2              |
| Antiallergic               | 4              |
| Antialzheimeran?           | 1              |
| Antianaphylactic           | 1              |
| Antiarthritic              | 2              |
| Antiasthmatic              | 5              |
| Antibacillary              | 1              |
| Antibacterial              | 13             |
| Antibronchitic             | 1              |
| Anticancer                 | 2              |
| Anticancer (Cervix)        | 1              |
| Anticancer (Pancreas)      | 1              |

| Activity               | Chemical Count |
|------------------------|----------------|
| Anticarcinomic (Colon) | 1              |
| Anticarcinomic (Lung)  | 1              |
| Anticariogenic         | 4              |
| Anticolic              | 1              |
| Anticolitic            | 2              |
| Anticonvulsant         | 2              |
| AntiCrohn's            | 2              |
| Antidermatitic         | 1              |
| Antiedemic             | 5              |
| Antiescherichic        | 1              |
| Antiesophagitic        | 1              |
| Antifeedant            | 8              |
| Antiflu                | 3              |
| Antigliomic            | 1              |
| Antiglutamaergic       | 1              |
| Antihelicobacter       | 1              |
| Antihistaminic         | 1              |
| Antiinflammatory       | 12             |
| Antileishmanic         | 1              |
| Antileukemic           | 3              |
| Antileukotriene        | 4              |
| Antilithic             | 1              |
| Antilithic?            | 1              |
| Antilymphomic          | 2              |
| Antimalarial           | 3              |
| Antimange              | 1              |
| Antimelanomic          | 1              |

| Activity                 | Chemical Count |
|--------------------------|----------------|
| Antimetastatic (Stomach) | 1              |
| Antimite                 | 1              |
| Antimutagenic            | 4              |
| Antinitrosaminic         | 3              |
| Antinociceptive          | 1              |
| Antiobesity              | 1              |
| Antionychyotic           | 1              |
| Antiotitic               | 1              |
| Antioxidant              | 6              |
| Antiplasmodial           | 3              |
| Antipneumonic            | 1              |
| Antiproliferant          | 3              |
| Antiproliferative        | 1              |
| Antipyretic              | 1              |
| Antirheumatalgic         | 1              |
| Antisalmonella           | 1              |
| Antiseptic               | 9              |
| Antishock                | 1              |
| Antispasmodic            | 10             |
| Antistaphylococcic       | 4              |
| Antistreptococcic        | 2              |
| Antitumor                | 4              |
| Antitumor (Breast)       | 1              |
| Antitumor (Cervix)       | 1              |
| Antitumor (Colon)        | 1              |
| Antitumor (Pancreas)     | 1              |
| Antitumor (Prostate)     | 1              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Antitumor (Stomach)  | 1              |
| Antitussive          | 1              |
| Antiulcer            | 3              |
| Antiviral            | 5              |
| Antiyeast            | 1              |
| Apoptotic            | 3              |
| Bacteriostatic       | 1              |
| Barbituate-Synergist | 1              |
| Bronchoprotectant    | 1              |
| Bronchorelaxant      | 1              |
| Calcium-Antagonist   | 1              |
| Cancer-Preventive    | 6              |
| Candidicide          | 3              |
| Candidistat          | 3              |
| Carminative          | 2              |
| Chemopreventive      | 2              |
| Choleretic           | 1              |
| Cholesterolytic      | 1              |
| Cicatrizant          | 1              |
| CNS-Depressant       | 1              |
| CNS-Stimulant        | 2              |
| CNS-Toxic            | 1              |
| Coleopterifuge       | 1              |
| Coleoptophile        | 1              |
| Convulsant           | 1              |
| COX-2-Inhibitor      | 1              |
| Culicide             | 1              |

| Activity                | Chemical Count |
|-------------------------|----------------|
| Cytochrome-P450-Inducer | 1              |
| Cytotoxic               | 1              |
| Demulcent               | 1              |
| Deodorant               | 1              |
| Dermal                  | 1              |
| Detoxicant              | 1              |
| Differentiator          | 1              |
| Diuretic                | 1              |
| Emetic                  | 2              |
| Enterocontractant       | 1              |
| Expectorant             | 6              |
| FLavor                  | 18             |
| Fumigant                | 1              |
| Fungicide               | 11             |
| Fungiphilic             | 1              |
| Fungistat               | 2              |
| GABA-nergic             | 1              |
| Gastroprotective        | 1              |
| GST-Inducer             | 1              |
| Hepatoprotective        | 1              |
| Herbicide               | 6              |
| Histaminic              | 1              |
| Hyperthermic            | 1              |
| Hypnotic                | 1              |
| Hypocholesterolemic     | 1              |
| Hypocholesterolemic?    | 1              |
| Hypothermic             | 2              |

| Activity                          | Chemical Count |
|-----------------------------------|----------------|
| Immunomodulator                   | 1              |
| Inhalant                          | 1              |
| Insect-Repellent                  | 1              |
| Insecticide                       | 8              |
| Insectifuge                       | 14             |
| Insectiphile                      | 2              |
| Interleukin-6-Inhibitor           | 2              |
| Irritant                          | 14             |
| Juvabional                        | 1              |
| Larvicide                         | 2              |
| Laxative                          | 2              |
| Lipolytic                         | 1              |
| Mosquitocide                      | 1              |
| Mosquitofuge                      | 2              |
| Motor-Depressant                  | 3              |
| Myorelaxant                       | 3              |
| Nematicide                        | 7              |
| NO-Genic                          | 1              |
| Ornithine-Decarboxylase-Inhibitor | 1              |
| Ozone-Scavenger                   | 1              |
| P450-2B1-Inhibitor                | 3              |
| P450-Inducer                      | 2              |
| Perfume                           | 1              |
| Perfumery                         | 20             |
| Peristaltic                       | 1              |
| Pesticide                         | 26             |
| Pheromonal                        | 1              |

| Activity             | Chemical Count |
|----------------------|----------------|
| Pheromone            | 1              |
| Photosensitizer      | 1              |
| Prooxidant           | 1              |
| Renoirritant         | 1              |
| Sedative             | 10             |
| Spasmogenic          | 5              |
| Spermicide           | 1              |
| Sweetener            | 1              |
| Termiticide          | 1              |
| Termitifuge          | 2              |
| Testosterone-Inducer | 1              |
| Tranquilizer         | 2              |
| Transdermal          | 4              |
| Trichomonicide       | 4              |
| Tumor-Promoter       | 2              |
| Tyrosinase-Inhibitor | 1              |
| Vermicide            | 1              |
| Vulnerary            | 2              |