

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Psoralea corylifolia*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|---------|----------|--------|---|
| 0 | (+)-BAKUCHIOL | Fruit | | | | -- |
| 0 | 1-DEHYDRO-3-HYDROXYBAKUCHIOL | Seed | | 425.0 | | -- |
| 0 | 2',4-DIHYDROXY-4'-METHOXY-5'-FORMYLCHALCONE | Seed | | | | -- |
| 0 | 2,3-EPOXYBAKUCHIOL | Seed | | 475.0 | | -- |
| 0 | 3-C-PRENYL-DAIDZEIN | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | 3-DEHYDRO-2-HYDROXYBAKUCHIOL | Seed | | 275.0 | | -- |
| 0 | 4',5'-(2,2'-DIMETHYLCHROMENO)-ISOLIQURITIGENIN | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | 4-HYDROXY-BENZOIC-ACID | Seed | | 1.3 | | -- |
| 0 | 4-O-METHYLBAVACHALCONE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|---------|----------|--------|---|
| 8 | 4-TERPINEOL | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | 5'-FORMYL-2',4-DIHYDROXY-4'-METHOXY-CHALCONE | Plant | | | | -- |
| 0 | 7-O-METHYLBAVACHIN | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | ALPHA-ELEMENE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 32 | ALPHA-TOCOPHEROL | Seed | | | | -- |
| 17 | ANGELICIN | Seed | 566.0 | 4300.0 | | -- |
| 17 | ANGELICIN | Cotyledon | | | | -- |
| 17 | ANGELICIN | Root | | | | -- |
| 17 | ANGELICIN | Hull Husk | | | | -- |
| 17 | ANGELICIN | Pericarp | | | | -- |
| 17 | ANGELICIN | Leaf | | | | -- |
| 7 | ASTRAGALIN | Seed | | 2.1 | -1.0 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------|------------|---------|----------|--------|---|
| 0 | BAKUCHALCONE | Seed | | 8.3 | | -- |
| 0 | BAKUCHALKONE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | BAKUCHICHIN | Seed | | | | Sun, N. J., Woo, S. H., Cassady, J. M., Snapka, R. M. 1998. DNA Polymerase and Topoisomerase II Inhibitors From Psoralea corylifolia. J Natural Products, 61: 362-366. |
| 1 | BAKUCHICIN | Fruit | | 5033.0 | | -- |
| 1 | BAKUCHICIN | Seed | | 992.0 | | -- |
| 15 | BAKUCHIOL | Root | | | | -- |
| 15 | BAKUCHIOL | Seed | 1.2 | 54500.0 | | -- |
| 15 | BAKUCHIOL | Fruit | | 1967.0 | | -- |
| 0 | BAKUCHIOL-ACETATE | Fruit | | | | -- |
| 0 | BAVACHALKONE | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | BAVACHIN | Seed | | 8.0 | | -- |
| 2 | BAVACHININ | Seed | | | | -- |
| 0 | BAVACHROMANOL | Seed | | | | -- |
| 0 | BAVACHROMENE | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | BAVACOUMESTAN-A | Seed | | 7.6 | | -- |
| 0 | BAVACOUMESTAN-B | Seed | | 2.2 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------------------|------------|---------|----------|--------|---|
| 0 | BETA-CARYOPHYLLENE-OXIDE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 47 | BETA-SITOSTEROL | Root | | | | -- |
| 6 | BETA-SITOSTEROL-D-GLUCOSIDE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | CORYLIDIN | Seed | 12.0 | 75.0 | | -- |
| 0 | CORYLIDINE | Seed | | | | -- |
| 0 | CORYLIFOLEAN | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 5 | CORYLIFOLIN | Seed | | | | -- |
| 2 | CORYLIFOLININ | Seed | | 1.2 | | -- |
| 0 | CORYLIFONOL | Seed | | 2.1 | | -- |
| 0 | CORYLIN | Seed | | | | -- |
| 0 | CORYLIN | Fruit | | | | -- |
| 0 | CORYLINAL | Seed | | 10.0 | | -- |
| 0 | CORYLNAL | Seed | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|------------|---------|----------|---------------------|---|
| 57 | COUMARIN | Seed | | | | -- |
| 13 | COUMESTROL | Root | | 13.0 | | -- |
| 32 | DAIDZEIN | Fruit | | 100.0 | | -- |
| 32 | DAIDZEIN | Seed | | 540.0 | 2.665161489584993 | -- |
| 32 | DAIDZEIN | Root | | 16.0 | -1.0 | -- |
| 5 | DAUCOSTEROL | Root | | | | -- |
| 0 | EO | Seed | 500.0 | 200000.0 | 1.977881864909547 | -- |
| 0 | FAT | Seed | | 100000.0 | -0.8711556020733713 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 81 | GENISTEIN | Seed | | 1528.0 | -0.2830392431636636 | -- |
| 5 | GERANYL-ACETATE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 2 | ISOBAVACHALCONE | Seed | | 50.0 | | -- |
| 0 | ISOBAVACHALKONE | Seed | | 50.0 | | -- |
| 0 | ISOBAVACHIN | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ISOCORYLIFONOL | Seed | | | | -- |
| 0 | ISONEOBAVACHALCONE | Seed | | 33.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|------------|---------|----------|--------|---|
| 0 | ISONEOBAVACHALKONE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 8 | ISOPSORALEN | Seed | | 500.0 | | -- |
| 8 | ISOPSORALEN | Fruit | | | | -- |
| 8 | ISOPSORALEN | Root | | 126.0 | | -- |
| 0 | ISOPSORALIDIN | Seed | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 60 | LIMONENE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | LINALOL | Seed | | | | -- |
| 53 | LINALOOL | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | N-TRIACONTANE | Seed | | | | -- |
| 0 | NEOBAVACHALCONE | Seed | | 30.0 | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------------------|------------|---------|----------|---------------------|---|
| 0 | NEOBAVACHALKONE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 3 | NEOBAVAISOFLAVONE | Fruit | | 512.0 | | -- |
| 3 | NEOBAVAISOFLAVONE | Seed | | 245.0 | | -- |
| 31 | PSORALEN | Pericarp | | | | -- |
| 31 | PSORALEN | Fruit | | 9867.0 | 2.235042437308146 | -- |
| 31 | PSORALEN | Leaf | | | | -- |
| 31 | PSORALEN | Seed | 792.0 | 5000.0 | 1.4140014352143495 | -- |
| 31 | PSORALEN | Hull Husk | | | | -- |
| 31 | PSORALEN | Root | | 103.0 | 0.6634251027069028 | -- |
| 31 | PSORALEN | Cotyledon | | | | -- |
| 0 | PSORALENOL | Seed | | | | -- |
| 0 | PSORALIDENE | Fruit | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 3 | PSORALIDIN | Seed | | 190.0 | | -- |
| 0 | PSORALIDIN-2,3'-OXIDE-DIACETATE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | PSORALIDIN-OXIDE | Seed | | 4.0 | | -- |
| 1 | RAFFINOSE | Seed | | 3500.0 | -0.6326434301070119 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|------------|---------|----------|----------------------|---|
| 0 | RESIN | Seed | | 86000.0 | 0.0 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | SITOSTEROL | Root | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | SOPHORACOUVESTAN-A | Seed | | 7.0 | | -- |
| 12 | STIGMASTEROL | Seed | | 50.0 | -0.46671068239400787 | -- |
| 0 | TRIACONTANE | Seed | | | | =ICMR(Indian Council of Medical Research).1976.Medicinal Plants of India.Vol.1.Indian Council of Med. Res.Cambridge Printing Works, New Delhi.487 pp;ICMR.1987.Medicinal Plants of India.Vol.2.Indian Council of Med. Res.Cambr. Printing Works,New Delhi.600pp |
| 0 | TRILAURIN | Root | | 521.0 | | -- |
| 43 | XANTHOTOXIN | Seed | | | | -- |