

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Abrus precatorius

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|------------|----------|----------|----------------------|---|
| 0 | CARBOHYDRATES | Leaf | 137000.0 | 652000.0 | 0.3193001468713054 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | PROTEIN | Leaf | 56000.0 | 267000.0 | 0.550223924536316 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 15 | FIBER | Leaf | 37000.0 | 176000.0 | 0.17887729815176595 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | FAT | Seed | 25000.0 | 28000.0 | -1.2504053564151623 | -- |
| 0 | ASH | Leaf | 17000.0 | 81000.0 | -0.666900349430093 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 28 | CALCIUM | Leaf | 1266.0 | 2660.0 | -1.0780176043339036 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 4 | PHOSPHORUS | Leaf | 650.0 | 3095.0 | -0.34524319928607444 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | KILOCALORIES | Leaf | 620.0 | 2950.0 | -0.10974253882224531 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 15 | TRIGONELLINE | 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 | ABRISIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | N,N-DIMETHYL-TRYPTOPHAN-METHO-CATION-METHYL-ESTER | Seed | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 18 | OLEIC-ACID | Seed | | 12125.0 | -0.8794255922658221 | Wealth of India. |
| 1 | ABRUSOSIDE-B | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------|------------|---------|----------|---------------------|---|
| 20 | CHOLINE | 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 | PROTEIN | Seed | | 194000.0 | -0.3540066301364682 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 9 | ABRIN | Seed | | 1500.0 | | -- |
| 0 | N,N-DIMETHYL-TRYPTOPHAN | Seed | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | LINOLENIC-ACID | Seed | | 4875.0 | -0.4947567342345914 | Wealth of India. |
| 1 | ABRUSOSIDE-A | Leaf | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 0 | ABRICIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 27 | LINOLEIC-ACID | Seed | | 3325.0 | -0.8893446855364865 | Wealth of India. |
| 0 | ABRUSOGENIN | Leaf | | | | -- |
| 2 | CAMPESTEROL | Seed | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | PRECATORINE | Seed | | | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | ABRASINE | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 4 | HYPAPHORINE | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | LIGNOCERIC-ACID | Seed | | 650.0 | -0.5382088899376138 | Wealth of India. |
| 0 | ABRUQUINONE-C | Root | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-----------------------------|------------|---------|----------|---------------------|---|
| 8 | TYROSINE | Seed | | | | Zaidi, Z. H., Sdiqui, B. S., Naim, Z. 1971. Chemical Investigations of Seeds of Abrus precatorius. Pak. J. Sci. Ind. Res., 14: 350. |
| 0 | PRECASINE | Seed | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | ABRALINE | Seed | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 57 | GLYCYRRHIZIN | Root | | 12500.0 | -0.8602992013175098 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | DELPHINIDIN-3,5-DIGLUCOSIDE | Seed | | | | Wealth of India. |
| 0 | ABRUQUINONE-B | Root | | | | -- |
| 0 | 5-BETA-CHOLANIC-ACID | Seed | | | | Wealth of India. |
| 0 | POLYGALACTURONIC-ACIDS | Seed | | 58600.0 | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | (+)-ABRINE | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | CYANIDIN-3-GLUCOSIDE | Seed | | | | Wealth of India. |
| 57 | GLYCYRRHIZIN | Leaf | | 100000.0 | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ABRUQUINONE-A | Root | | | | -- |
| 30 | ANTHOCYANINS | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 12 | STIGMASTEROL | Seed | | | | Wealth of India. |

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|------------------|------------------------------|------------|---------|----------|---------------------|---|
| 0 | PICATORINE | 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 | Seed | | | | Wealth of India. |
| 62 | GALLIC-ACID | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ABRIN-C | Seed | | | | Wealth of India. |
| 0 | ABRUSSIC-ACID | Plant | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 8 | STEARIC-ACID | Seed | | 1225.0 | -0.5388117000042002 | Wealth of India. |
| 1 | BEHENIC-ACID | Seed | | 1150.0 | -0.5704762009192162 | Wealth of India. |
| 0 | ABRIN-A | Seed | | | | Wealth of India. |
| 0 | ABRUSLACTONE | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | PELARGONIDIN-3-GLUCOSIDE | Seed | | | | Wealth of India. |
| 0 | PENTOSANS | Seed | | 92100.0 | 0.2808070998676844 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 0 | ARACHIDIC-ACID | Seed | | 1350.0 | -0.523657126151877 | Wealth of India. |
| 0 | ABRANIN | Seed | | | | Wealth of India. |
| 0 | ABRUSGENIC-ACID-METHYL-ESTER | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | PELARGONIDIN-3,5-DIGLUCOSIDE | Seed | | | | Wealth of India. |

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|------------------|--------------------------------------|------------|---------|----------|----------------------|--|
| 24 | PECTIN | Seed | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | ABRUSOSIDE-D | Leaf | | | | -- |
| 9 | DELPHINIDIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | WATER | Leaf | | 790000.0 | -0.08799406702171589 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | ABRUSGENIC-ACID | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | P-COUMAROYL GALLOYL-GLUCODELPHINIDIN | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 13 | PALMITIC-ACID | Seed | | 300.0 | -0.6934110761449042 | Wealth of India. |
| 1 | ABRUSOSIDE-C | Leaf | | | | -- |
| 7 | CYCLOARTENOL | Seed | | | | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |