LKT Laboratories, Inc.

Myricetin

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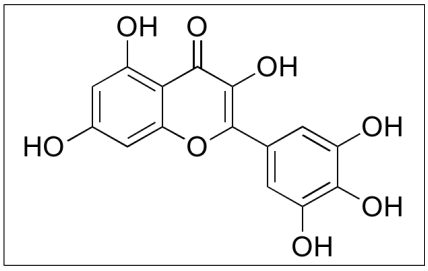
Product Information

Product ID M9367
CAS No. 529-44-2
Chemical Name 3,5,7-Trihydroxy-2-(3,4,5-trihydroxyphenyl)-4H-1- benzopyran -4-one
Synonym Cannabiscetin, Delphidenolon 1575, Myricetol, Myricitin



Formula $C_{15}H_{10}O_8$
Formula Wt. 318.23
Melting Point 357°C
Purity ≥98%
Solubility Insoluble in water. Soluble in ethanol.

Bulk quanitites available upon request

Product ID	Size
M9367	10 mg
M9367	25 mg

Store Temp 4°C
Ship Temp Ambient

Description Myricetin is a flavonol that exhibits anticancer, anti-metastatic, anti-hyperlipidemic, anti-fibrotic, neuroprotective, antioxidative, anti-diabetic, neuromodulatory, anti-osteoporotic, immunomodulatory, and chemopreventive activities. Myricetin inhibits proliferation and migration and induces cell cycle arrest in oral squamous cell carcinoma cells. In diabetic rats, myricetin decreases levels of total cholesterol, triglycerides, free fatty acids, LDL, and VLDL, increases levels of HDL, and suppresses the development of fibrosis. In cellular models of Alzheimer's disease, myricetin scavenges radicals and inhibits amyloid-ß (Aß)-induced neurodegeneration. In other cellular models, myricetin enhances natural killer cell cytotoxicity. In vitro, this compound activates Wnt/ß-catenin signaling, increasing osteoclast differentiation. This compound also improves insulin signaling and decreases glucose levels of diabetic rats. In vitro, myricetin inhibits catechol-O-methyl transferase (COMT).

References

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