**Myricetin**

3,5,7-trihydroxy-2-(3,4,5-trihydroxyphenyl)-4H-1-benzopyran-4-one

Protein Kinase Inhibitor

Cannabiscetin

3,3',4',5,5',7-Hexahydroxyflavone

**Cat. No.**

INH-004

**Amount**

5 mg

**Description:**

Myricetin is a flavonoid that differs from quercetin only by the addition of a hydroxyl at the 5'-OH of the phenyl moiety. It shows cytotoxic activity against several human leukemic cell lines in vitro. It strongly inhibits yeast a-glucosidase, glyoxalase I in vitro, cow's milk xanthine oxidase, and PI3-Kinase (IC50 = 1.8 µM). Myricetin both modulates Na+/K+-ATPase-induced vasodilatation acting as a functional inhibitor of Na+/K+-ATPase activity and activates protein kinases, including PKC, to induce contraction. These effects appear to be related to the activation of PGH2-TXA2 receptors on vascular smooth muscle by the TXA2 released from endothelium.

**Selected References:**


**Structural formula of Myricetin**

For *in vitro* use only!

**Shipping:** shipped on blue ice

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles

**Shelf Life:** 12 months

**Molecular Formula:** C_{15}H_{10}O_{8}

**Molecular Weight:** 318.24 g/mol

**Purity:** ≥ 95 %

**Form:** lyophilized

**Solubility:** 10 mg/ml soluble in DMSO, 1 mg/ml soluble in Ethanol. Insoluble in Acetic Acid.