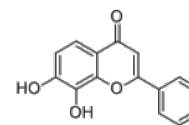


Product Name : 7,8-Dihydroxyflavone
Cat. No. : PC-70345
CAS No. : 38183-03-8
Molecular Formula : C₁₅H₁₀O₄
Molecular Weight : 254.238
Target : Trk Receptor
Solubility : 10 mM in DMSO



Biological Activity

7,8-Dihydroxyflavone (7,8-DHF) is a naturally occurring flavone that has been found to act as a potent and selective agonist of **TrkB** with K_d of 320 nM.

7,8-Dihydroxyflavone (7,8-DHF) demonstrates remarkable therapeutic efficacy in animal models of a variety of central nervous system disorders.

7,8-Dihydroxyflavone (7,8-DHF) also possess antiestrogenic and antiproliferative activities.

7,8-Dihydroxyflavone (7,8-DHF) orally bioavailable and able to penetrate the blood–brain barrier.

7,8-dihydroxyflavone (7,8-DHF) also is a direct and potent pyridoxal 5'-phosphate phosphatase (**PDXP**) inhibitor, an enzyme that controls levels of pyridoxal 5'-phosphate (PLP), the co-enzymatically active form of vitamin B6.

References

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Le Bail JC, et al. Cancer Lett. 1998 Aug 14;130(1-2):209-16.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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