

Product Datasheet

Ochnaflavone

Catalog No. **BP-02207** · CAS **50276-96-5** · Form **free base** · Physical state **solid** · Color **Yellow to brown** · Version **1.0** · Revision **2026-09-07**

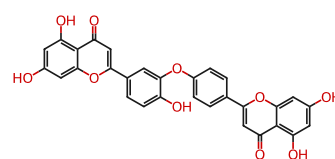
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Target Phospholipase	Research area Inflammation/Immunology
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Molecular formula **C₃₀H₁₈O₁₀**

Molecular weight **538.4579**

STRUCTURE



DESCRIPTION

Ochnaflavone is an inhibitor of IIA-type secretory phospholipase A2 (sPLA2-IIA) with an IC₅₀ of 3.45 μM. Ochnaflavone exhibits significant anti-inflammatory and liver-protective effects, capable of inhibiting the degradation of phosphatidylethanolamine (PE) and lipid peroxidation induced by carbon tetrachloride (CCl₄) in rat liver, with an IC₅₀ of 7.16 μM for lipid peroxidation. Ochnaflavone can be used in research on liver damage and inflammatory diseases[1].

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Moon TC, et al. Ochnaflavone, naturally occurring biflavonoid, inhibits phospholipase A2 dependent phosphatidylethanolamine degradation in a CCl₄-induced rat liver microsome. Biol Pharm Bull. 2006 Dec;29(12):2359-61.