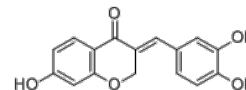


Product Name : Sappanone A
Cat. No. : PC-70216
CAS No. : 102067-84-5
Molecular Formula : C₁₆H₁₂O₅
Molecular Weight : 284.26
Target : IMPDH
Solubility : 10 mM in DMSO



Biological Activity

Sappanone A is a homoisoflavanone found in *Caesalpinia sappan*, a potent, selective **IMPDH2** inhibitor that covalently binds to Cys140 with K_d of 3.944 nM, almost 10 times lower than the K_d of binding to IMPDH1.

Sappanone A significantly suppresses the releases of NO (IC₅₀=4.12 μM), TNF-α, IL-6, and PGE2 and decreases the gene expressions of TNF-α, IL-6, IL-1β, MCP-1, iNOS, and COX-2 in BV-2 cells.

Sappanone A inhibits neuroinflammatory responses with high drug safety and less side effects in vivo.

References

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Kang L, et al. *Int Immunopharmacol*. 2016 Sep;38:246-51.

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

E-mail: tech@probechem.com