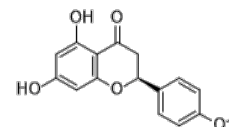


Product Name : Isosakuranetin
Cat. No. : PC-26388
CAS No. : 480-43-3
Molecular Formula : C₁₆H₁₄O₅
Molecular Weight : 286.28
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Isosakuranetin is a flavanone natural compound and potent specific inhibitor of **TRPM3** with IC₅₀ of 50 nM. Isosakuranetin exhibits a marked specificity for TRPM3 compared with other sensory TRP channels. Isosakuranetin blocked PregS-induced intracellular free Ca²⁺ concentration signals and ionic currents in freshly isolated DRG neurons. Isosakuranetin significantly reduced the sensitivity of mice to noxious heat and PregS-induced chemical pain. Isosakuranetin dose-dependently alleviated mechanical, thermal, and cold hyperalgesia in rat model of peripheral neuropathy.

References

- Vangeel L, et al. *Br J Pharmacol.* 2020 Jun;177(12):2683-2695.
Straub I, et al. *Mol Pharmacol.* 2013 Nov;84(5):736-50.

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

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