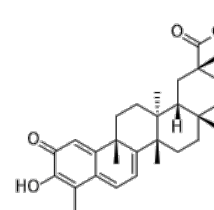


Product Name : Pristimerin
Cat. No. : PC-25686
CAS No. : 1258-84-0
Molecular Formula : C₃₀H₄₀O₄
Molecular Weight : 464.65
Target : Monoacylglycerol Lipase (MAGL)
Solubility : 10 mM in DMSO



Biological Activity

Pristimerin is a potent and reversible monoacylglycerol lipase (MAGL, MGL) inhibitor with IC₅₀ of 93 nM (purified MGL). Pristimerin inhibits non-purified MGL (cell lysates of MGL-transfected HeLa cells) with IC₅₀ of 398 nM. Pristimerin inhibits MGL through a mechanism that is rapid, reversible and non-competitive, shows reversible interaction with Cys208 of MAGL. Pristimerin protects 2-AG from degradation in intact rat brain neurons. Pristimerin also potently inhibits 2-AG-hydrolyzing enzyme, ABHD6, with IC₅₀ of 98 nM.

References

King AR, et al. Chem Biol. 2009 Oct 30;16(10):1045-52.

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

E-mail: tech@probechem.com