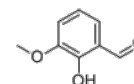


Product Name : o-vanillin
Cat. No. : PC-62974
CAS No. : 148-53-8
Molecular Formula : C₈H₈O₃
Molecular Weight : 152.15
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

o-vanillin (C29L, ortho-Vanillin) is the C29 derivative that blocks **hTLR2/1** and **hTLR2/6** signaling with IC₅₀ of 24.2 uM and 37.2 uM in NF-κB reporter assay in HEK293T cells, respectively.

o-vanillin (C29L, ortho-Vanillin) significantly blocks IL-12 p40 and TNF-α liver cytokine mRNA and serum protein, inhibits TLR2/1-induced proinflammatory cytokines in mice.

o-vanillin (C29L, ortho-Vanillin) is more soluble in water than C29.

References

Mistry P, et al. *Proc Natl Acad Sci U S A*. 2015 Apr 28;112(17):5455-60.

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

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