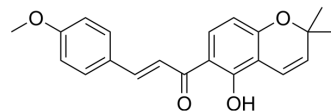


## 4-Methoxylonchocarpin

Cat. No.:	HY-N11768
CAS No.:	51589-67-4
Molecular Formula:	C <sub>21</sub> H <sub>20</sub> O <sub>4</sub>
Molecular Weight:	336.38
Target:	NF-κB; Interleukin Related; Toll-like Receptor (TLR)
Pathway:	NF-κB; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

4-Methoxylonchocarpin is an orally active anti-inflammatory agent. 4-methoxylonchocarpin inhibits the binding of LPS to Toll-like Receptor (TLR) TLR4 to inhibit NF-κB activation and TNF Receptor and IL-6 expression. 4-Methoxylonchocarpin also inhibits the phosphorylation of TGF-beta activated kinase 1 and TNBS-induced expression of IL-1β, IL-17A, and TNF. 4-methoxylonchocarpin can improve 2,4, 6-trinitrobenzene sulfonic acid (TNBS)-induced colitis mouse model<sup>[1]</sup>.

### REFERENCES

[1]. Jang HM, et al. 4-Methoxylonchocarpin attenuates inflammation by inhibiting lipopolysaccharide binding to Toll-like receptor of macrophages and M1 macrophage polarization. *Int Immunopharmacol.* 2017 Apr;45:90-97.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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