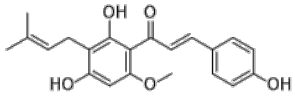
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Data Sheet

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Product Name	:	Xanthohumol
Cat. No.	:	PC-28587
CAS No.	:	6754-58-1
Molecular Formula	:	$C_{21}H_{22}O_5$
Molecular Weight	:	354.40
Target	:	Toll-like Receptor (TLR)
Solubility	:	10 mM in DMSO

Biological Activity

Xanthohumol is a flavonoid isolated from hops, inhibits diacylglycerol acetyltransferase (DGAT), COX-1 and COX-2, shows anti-cancer and anti-angiogenic activities, inhibits LPS-induced TLR4 pathway by antagonizing the binding sites between LPS and Myeloid differentiation 2 (MD2), also has antiviral activity against bovine viral diarrhea virus (BVDV), rhinovirus, HSV-1, HSV-2 and cytomegalovirus (CMV).

References

Gallo C, et al. Oncotarget. 2016 Aug 1.

Yali Zhang, et al. Sci Rep. 2016 Apr 27:6:25130.

Arnaiz-Cot JJ, et al. J Pharmacol Exp Ther. 2016 Nov 4. pii: jpet.116.236588.

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

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