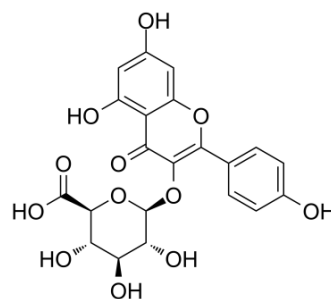


Kaempferol 3-O-β-D-glucuronide

Cat. No.:	HY-N7176
CAS No.:	22688-78-4
Molecular Formula:	C ₂₁ H ₁₈ O ₁₂
Molecular Weight:	462.36
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Kaempferol 3-O-β-D-glucuronide (Kaempferol-3-glucuronide), one conjugated kaempferol metabolite, has anti-inflammatory effect. Kaempferol 3-O-β-D-glucuronide significantly inhibits various pro-inflammatory mediators like IL-1β, NO, PGE2, and LTB4. Kaempferol 3-O-β-D-glucuronide upregulates the secretion of anti-inflammatory cytokine IL-10^{[1][2]}.

IC₅₀ & Target

IL-1β

IL-10

REFERENCES

[1]. Khajuria V, et al. Kaempferol-3-o-β-d-glucuronate exhibit potential anti-inflammatory effect in LPS stimulated RAW 264.7 cells and mice model. *Int Immunopharmacol.* 2018;57:62-71.

[2]. DuPont MS, et al. Absorption of kaempferol from endive, a source of kaempferol-3-glucuronide, in humans. *Eur J Clin Nutr.* 2004;58(6):947-954.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA