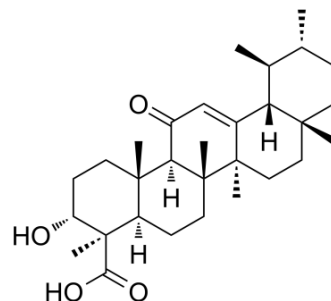


11-Keto-beta-boswellic acid

Cat. No.:	HY-N2056
CAS No.:	17019-92-0
Molecular Formula:	C ₃₀ H ₄₆ O ₄
Molecular Weight:	470.68
Target:	Lipoxygenase; Leukotriene Receptor; NF-κB
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	11-Keto-beta-boswellic acid (11-Keto-β-boswellic acid) is a pentacyclic triterpene acid of the oleogum resin from the bark of the <i>Boswellia serrata</i> tree, popularly known as Indian Frankincense. 11-Keto-beta-boswellic acid has the anti-inflammatory activity is primarily due to inhibit 5-lipoxygenase (5-LOX) and subsequent leukotriene and nuclear factor-kappa B (NF-κB) activation and tumor necrosis factor alpha generation production ^[1] .	
IC ₅₀ & Target	NF-κB	5-LOX

REFERENCES

[1]. Miscioscia E, et al. Measurement of 3-acetyl-11-keto-beta-boswellic acid and 11-keto-beta-boswellic acid in *Boswellia serrata* Supplements Administered to Dogs. BMC Vet Res. 2019 Aug 1;15(1):270.

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

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