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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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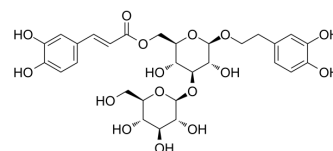
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Plantainoside D

Cat. No.:	HY-N5063
CAS No.:	147331-98-4
Molecular Formula:	C ₂₉ H ₃₆ O ₁₆
Molecular Weight:	640.59
Target:	Angiotensin-converting Enzyme (ACE); IKK
Pathway:	Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (390.27 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.5611 mL	7.8053 mL	15.6106 mL
		5 mM		0.3122 mL	1.5611 mL	3.1221 mL
		10 mM		0.1561 mL	0.7805 mL	1.5611 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.25 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.25 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Plantainoside D shows ACE inhibitory activity with IC ₅₀ 2.17 mM ^[1] . And plantainoside D is a promising IKK-β inhibitor ^[2] .
IC ₅₀ & Target	IKK-β

REFERENCES

- [1]. Geng F, Yang L, Chou G, Wang Z. Bioguided isolation of angiotensin-converting enzyme inhibitors from the seeds of *Plantago asiatica* L. *Phytother Res.* 2010;24(7):1088-1094.
- [2]. Zhou P, Hua F, Wang X, Huang JL. Therapeutic potential of IKK-β inhibitors from natural phenolics for inflammation in cardiovascular

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

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