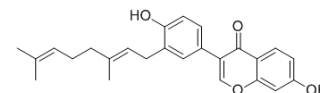


Corylifol A

Cat. No.:	HY-N0897		
CAS No.:	775351-88-7		
Molecular Formula:	C ₂₅ H ₂₆ O ₄		
Molecular Weight:	390.47		
Target:	STAT		
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 15.4 mg/mL (39.44 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.5610 mL	12.8051 mL	25.6102 mL
	5 mM		0.5122 mL	2.5610 mL	5.1220 mL
	10 mM		0.2561 mL	1.2805 mL	2.5610 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Corylifol A inhibits IL-6-induced STAT3 activation and phosphorylation, with an IC ₅₀ of 0.81 μM.
IC ₅₀ & Target	STAT3 0.81 μM (IC ₅₀)
In Vitro	Corylifol A shows an inhibitory effect on IL-6-induced STAT3 promoter activity in Hep3B cells with IC ₅₀ value of 0.81±0.15 μM, also inhibits STAT3 phosphorylation induced by IL-6 in Hep3B cells ^[1] . Corylifol A inhibits SARA PLpro in a dose-dependent manner with IC ₅₀ s ranging between 4.2 and 38.4 μM ^[2] . Corylifol A is found to be a naturally occurring potent inhibitor of hCE2, with low K _i values ranging from 0.62 μM to 3.89 μM ^[3] .

CUSTOMER VALIDATION

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- Acta Pharm Sin B. 2020 Jul.

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REFERENCES

- [1]. Lee SW, et al. Phenolic compounds isolated from *Psoralea corylifolia* inhibit IL-6-induced STAT3 activation. *Planta Med.* 2012 Jun;78(9):903-6.
- [2]. Kim DW, et al. Phenolic phytochemical displaying SARS-CoV papain-like protease inhibition from the seeds of *Psoralea corylifolia*. *J Enzyme Inhib Med Chem.* 2014 Feb;29(1):59-63.
- [3]. Li YG, et al. Fructus *Psoraleae* contains natural compounds with potent inhibitory effects towards human carboxylesterase 2. *Fitoterapia.* 2015 Jan 13;101C:99-106. d
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Caution: Product has not been fully validated for medical applications. For research use only.

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