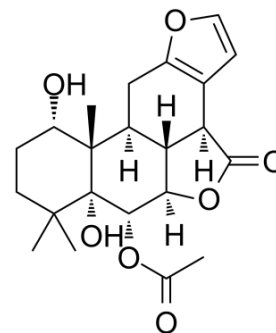


Bonducellpin D

Cat. No.:	HY-N2949		
CAS No.:	197781-85-4		
Molecular Formula:	C ₂₂ H ₂₈ O ₇		
Molecular Weight:	404.45		
Target:	SARS-CoV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Bonducellpin D is a furanoditerpenoid lactone isolated from <i>Caesalpinia minax</i> . Bonducellpin D exhibits broad-spectrum inhibition potential against SARS-CoV M ^{Pro} and MERS-CoV M ^{Pro} , with an K _i of 467.11 and 284.86 nM, respectively. Bonducellpin D also exhibits moderate anti-cancer activity in vitro ^{[1][2][3]} .
IC₅₀ & Target	Ki: 467.11 nM (SARS-CoV Mpro), 284.86 nM (MERS-CoV Mpro) ^[1]

REFERENCES

- [1]. Gurung AB, et, al. Unravelling lead antiviral phytochemicals for the inhibition of SARS-CoV-2 M pro enzyme through in silico approach. *Life Sci.* 2020 Aug 15;255:117831.
- [2]. Zheng Y, et, al. Caesalminaxins A-L, cassane diterpenoids from the seeds of *Caesalpinia minax*. *J Nat Prod.* 2013 Dec 27; 76(12): 2210-8.
- [3]. Jiang RW, et, al. Molecular structures and antiviral activities of naturally occurring and modified cassane furanoditerpenoids and friedelane triterpenoids from *Caesalpinia minax*. *Bioorg Med Chem.* 2002 Jul;10(7):2161-70.

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

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