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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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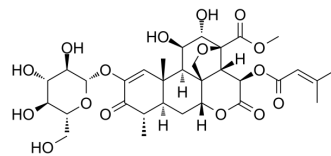
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Bruceoside A

Cat. No.:	HY-N8995
CAS No.:	63306-30-9
Molecular Formula:	C ₃₂ H ₄₂ O ₁₆
Molecular Weight:	682.67
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (366.21 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration \ Mass	1 mg	5 mg	10 mg
		1 mM	1.4648 mL	7.3242 mL	14.6484 mL
		5 mM	0.2930 mL	1.4648 mL	2.9297 mL
		10 mM	0.1465 mL	0.7324 mL	1.4648 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.05 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.05 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.05 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Bruceoside A, an abundant quassinoid glycoside in Fructus Bruceae, possesses anti-cancer activity ^[1] .	
In Vivo	Bruceoside A could be transformed into the potent anticancer component brusatol in vivo, rather than its direct deglycosylated metabolite bruceosin ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Male ICR mice weighing 25.0 ± 5.0 g ^[1] .

Dosage:	22.5 mg/kg.
Administration:	Intragastrically administrated.
Result:	Reached its highest levels in three hours with a half-life value of 3.99 h.

REFERENCES

[1]. Yuan Xu, et al. Pharmacokinetic study on bruceoside A revealed the potential role of quassinoid glycosides for the anticancer properties of Fructus Bruceae. J Pharm Biomed Anal. 2019 Jun 5;170:264-272.

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

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