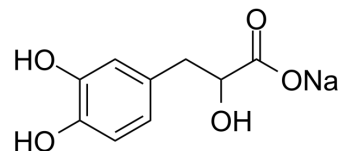


(Rac)-Salvianic acid A sodium

Cat. No.:	HY-N0106
CAS No.:	67920-52-9
Molecular Formula:	C ₉ H ₉ NaO ₅
Molecular Weight:	220.15
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (454.24 mM; Need ultrasonic)					
	DMSO : 100 mg/mL (454.24 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		4.5424 mL	22.7118 mL	45.4236 mL
5 mM			0.9085 mL	4.5424 mL	9.0847 mL	
10 mM		0.4542 mL	2.2712 mL	4.5424 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (227.12 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.36 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.36 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	(Rac)-Salvianic acid A sodium is the racemate of Salvianic acid A (HY-N1913). Salvianic acid A, an orally active phenolic compound, can induce Nrf2/HO-1 activation and inhibition of NF-κB pathway. Danshensu has anti-oxidation, anti-apoptosis, anti-lung inflammatory and has the potential for COVID-19, cardiovascular and cerebrovascular diseases research ^{[1][2][3]} .
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REFERENCES

[1]. Chen Yu, et al. Danshensu attenuates cisplatin-induced nephrotoxicity through activation of Nrf2 pathway and inhibition of NF-κB. Biomed Pharmacother. 2021

Oct:142:111995.

[2]. Wei Wang, et al. Danshensu alleviates pseudo-typed SARS-CoV-2 induced mouse acute lung inflammation. Acta Pharmacol Sin. 2022 Apr;43(4):771-780.

[3]. V Bharath Kumar, et al. Sodium Danshensu Inhibits Oral Cancer Cell Migration and Invasion by Modulating p38 Signaling Pathway. Front Endocrinol (Lausanne). 2020 Sep 30;11:568436.

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

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