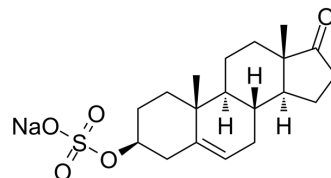


Dehydroepiandrosterone sulfate sodium salt

Cat. No.:	HY-B0765
CAS No.:	1099-87-2
Molecular Formula:	C ₁₉ H ₂₇ NaO ₃ S
Molecular Weight:	390.47
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
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	DMSO : 100 mg/mL (256.10 mM; Need ultrasonic)					
	H ₂ O : 10 mg/mL (25.61 mM; Need ultrasonic)					
	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.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.33 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.33 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.33 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Dehydroepiandrosterone sulfate sodium salt (DHEAS) is the most abundant circulating steroid in human. Dehydroepiandrosterone sulfate sodium salt (DHEAS) affects steroid hormone biosynthesis on a molecular level resulting in an increased formation of pregnenolone ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Research Square Print. 2022 May.

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REFERENCES

[1]. Jens Neunzig, et al. Dehydroepiandrosterone Sulfate (DHEAS) Stimulates the First Step in the Biosynthesis of Steroid Hormones. PLoS One. 2014 Feb 21;9(2):e89727.

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

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