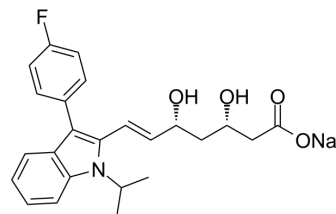


(3S,5R)-Fluvastatin sodium

Cat. No.:	HY-14664C
CAS No.:	94061-81-1
Molecular Formula:	C ₂₄ H ₂₅ FNNaO ₄
Molecular Weight:	433.45
Target:	HMG-CoA Reductase (HMGCR)
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°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 : 50 mg/mL (115.35 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.3071 mL	11.5354 mL	23.0707 mL	
5 mM	0.4614 mL	2.3071 mL	4.6141 mL	
10 mM	0.2307 mL	1.1535 mL	2.3071 mL	

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

BIOLOGICAL ACTIVITY

Description

(3S,5R)-Fluvastatin sodium ((3S,5R)-XU 62-320) is the (3S,5R)-enantiomer of Fluvastatin. Fluvastatin is a first fully synthetic, competitive HMG-CoA reductase inhibitor with an IC₅₀ of 8 nM. Fluvastatin protects vascular smooth muscle cells against oxidative stress through the Nrf2-dependent antioxidant pathway^[1].

REFERENCES

[1]. Araújo FA, Rocha MA, Capettini LS, et al. 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor (fluvastatin) decreases inflammatory angiogenesis in mice. *APMIS*. 2012 24.

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

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