
Product Data Sheet

Product Name: (3S,5R)-Fluvastatin sodium

Cat. No.: GC60396

Chemical Properties

Cas. No. 94061-81-1

SMILES FC1=CC=C(C2=C(/C=C/[C@H](O)C[C@H](O)CC(O[Na])=O)N(C(C)C)C3=C2C=CC=C3)C=C1Formula C₂₄H₂₅FNNaO₄ M.Wt 433.45

Solubility DMSO : 50 mg/mL (115.35 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

(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].

[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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