
Product Data Sheet

Product Name: (3S,5R)-Fluvastatin-d6 sodium

Cat. No.: GC68317

Chemical Properties

Cas. No. 2249799-35-5

Formula $C_{24}H_{19}D_6FNNaO_4$

M.Wt 439.48

Solubility H_2O : 50 mg/mL (113.77 mM; Need ultrasonic); DMSO : 50 mg/mL (113.77 mM; Need ultrasonic)Store
Storage 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 (3S,5R)-Fluvastatin-d6 sodium

Background

(3S,5R)-Fluvastatin D6 sodium is the deuterium labeled (3S,5R)-Fluvastatin sodium. 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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