

Product Data Sheet

Product Name: Fosinoprilat

Cat. No.: GD13659

Chemical Properties

Cas. No. 95399-71-6

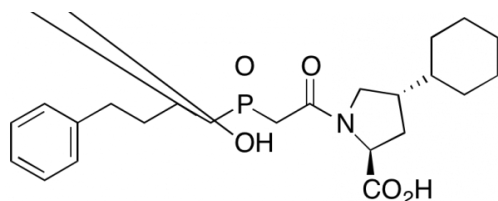
Formula C₂₃H₃₄NO₅P M.Wt 435.49

Solubility DMSO : 100 mg/mL (229.63 mM; Storage -20°C argon filling
Need ultrasonic)

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

Fosfenopril (Fosinoprilat) is a potent angiotensin converting enzyme (ACE) inhibitor. Fosfenopril alleviates lipopolysaccharide (LPS)-induced inflammation by inhibiting TLR4/NF- κ B signaling in monocytes.

Fosfenopril (0-10 μ M, 5 min) inhibits the expression of TLR4 which is elevated by LPS [1].

Fosfenopril (0-10 μ M, 1 h) attenuates the expression of NF- κ B which is activated by LPS [1].

Fosfenopril inhibits LPS-induced cytokines (IL-6, IL-1 β , and TNF- α) expression [1].

Fosfenopril (0.5 mg/kg bolus plus 0.1 mg/kg/min, IV, once) increases p-aminohippurate (PAH) clearance and glomerular filtration rate (GFR) in dogs [3].

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

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