

Product Data Sheet

Product Name: Eldecalcitol

Cat. No.: GC35971

Chemical Properties

Cas. No. 104121-92-8

SMILES O[C@H]1[C@@H](OCCCO)[C@H](O)C(/C(C1)=C\C=C2[C@]3([H])CC[C@H]([C@H](C)CCCC(C)(O)C)[C@@]3(C)CCC2)=C

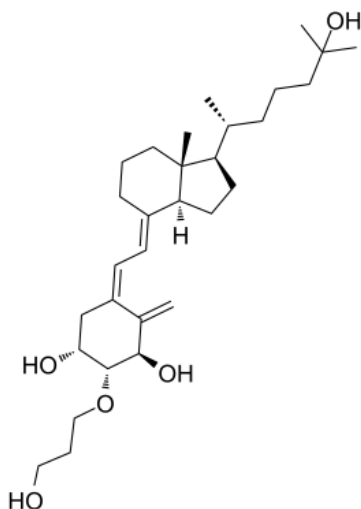
Formula $C_{30}H_{50}O_5$ M.Wt 490.72

Solubility Soluble in DMSO 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

Eldecalcitol (ED-71) is an analog of 1,25-dihydroxyvitamin D3 that improves bone mineral density. IC50 value: Target: Vd analog Eldecalcitol (ED-71) is more efficacious than alfacalcidol in preventing

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

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vertebral and wrist fractures in osteoporotic patients with vitamin D sufficiency, with a safety profile similar to alfacalcidol.

[1]. Matsumoto T. Osteoporosis Treatment by a New Active Vitamin D3 Compound, Eldecacitol, in Japan. Curr Osteoporos Rep. 2012 Aug 24. [2]. Shiraki M, et al. Eldecacitol normalizes bone turnover markers regardless of their pre-treatment levels. Curr Med Res Opin. 2012 Aug 23. [3]. Matsumoto T, Endo I. Eldecacitol for the treatment of osteoporosis. Drugs Today (Barc). 2012 Mar;48(3):189-96. [4]. Sakai S, et al. Combination therapy with eldecacitol and alendronate has therapeutic advantages over monotherapy by improving bone strength. Bone. 2012 May;50(5):1054-63. Epub 2012 Feb 17. [5]. Sanford M, McCormack PL. Spotlight on eldecacitol in osteoporosis. Drugs Aging. 2012 Jan 1;29(1):69-71.

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