
Product Data Sheet

Product Name: Falecalcitriol

Cat. No.: GC36026

Chemical Properties

Cas. No. 83805-11-2

SMILES C[C@]([C@]/12[H])([C@H](CC2)[C@@H](CCCC(C(F)(F)F)(C(F)(F)F)O)C)CCCC1=C/C=C(C[C@@H](O)C[C@@H]3O)\C3=CFormula C₂₇H₃₈F₆O₃ M.Wt 524.58

Solubility Soluble in DMSO Storage Store at -20°C, unstable in solution, ready to use.

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

Falecalcitriol (Fulstan; Hornel) is an analog of calcitriol; has a higher potency both in vivo and in vitro systems, and longer duration of action in vivo.

[1]. Ito H, Ogata H, Yamamoto M, Takahashi K, Shishido K, Takahashi J, Taguchi S, Kinugasa E. Comparison of oral falecalcitriol and intravenous calcitriol in hemodialysis patients with secondary hyperparathyroidism: a randomized, crossover trial. Clin Nephro [2]. Tokunaga M, Tamura M, Kabashima N, Serino R, Shibata T, Matsumoto M, Miyamoto T, Miyazaki M, Furuno Y, Takeuchi M, Abe H, Okazaki M, Otsuji Y. Falecalcitriol for conventional vitamin D therapy-resistant secondary hyperparathyroidism in a continuous ambul [3]. Iwao Y, Yamaguchi Y, Fujii K, Toba Y, Asada M, Nagano N, Yamamoto H, Hyoma K, Yamada S, Hirano H, Tone Y, Ohtani H, Saika Y, Fujii R. Long-term suppressive effect of falecalcitriol on parathyroid hormone secretion in secondary hyperparathyroidism in hemo [4]. Morii H. Falecalcitriol as a new therapeutic agent for secondary hyperparathyroidism Clin Calcium. 2005 Jan;15(1):29-33. [5]. Ohtsuka N, Urayama K. Pharmacological action and clinical effects of falecalcitriol, a highly potent derivative of active vitamin D3. Nihon Yakurigaku Zasshi. 2002 Dec;120(6):427-36. [6].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Jean-Pierre BÉguÉ, DaniÈle Bonnet-Delpon. Recent advances (1995-2005) in fluorinated pharmaceuticals based on natural products. Journal of Fluorine Chemistry. Volume 127, Issue 8, August 2006, Pages 992-1012

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA