

Product Data Sheet

Product Name: MB-07811

Cat. No.: GC70323

Chemical Properties

Cas. No. 852948-13-1

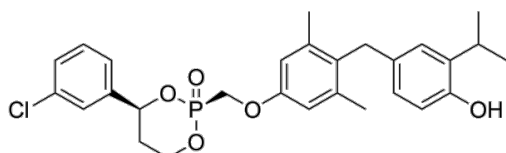
Formula $C_{28}H_{32}ClO_5P$ M.Wt 514.98

Solubility DMSO : 250 mg/mL (485.46 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

MB-07811 (VK-2809) is an orally active HepDirect prodrug of MB07344, a liver-targeted thyroid hormone receptor- β agonist. MB-07811 has cholesterol and triglycerides lowering activity.

MB-07811 (VK-2809) is potential for liver targeting with a low affinity for thyroid hormone receptors

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

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(TR β K_i=14.6 $\pm$ 0.5 μ M; TR α K_i=12.5 $\pm$ 0.6 μ M) [2].

MB-07811 (VK-2809) (0.3-30 mg/kg; orally once daily for 14 days) reduces cholesterol and triglycerides in diet-induced obese mice [2].

References:

- [1]. Cable EE, et al. Reduction of hepatic steatosis in rats and mice after treatment with aliver-targeted thyroidhormone receptor agonist. Hepatology. 2009 Feb;49(2):407-17.
- [2]. Erion MD, et al. Targeting thyroid hormone receptor-beta agonists to the liver reduces cholesterol and triglycerides and improves the therapeutic index. Proc Natl Acad Sci U S A. 2007 Sep 25;104(39):15490-5.

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