
Product Data Sheet

Product Name: CP-532623

Cat. No.: GC38759

Chemical Properties

Cas. No. 261947-38-0

SMILES O=C(N1[C@H](CC)C[C@H](N(C(C)=O)CC2=CC(C(F)(F)F)=CC(C(F)(F)F)=C2)C3=C1C=CC(C(F)(F)F)=C3)OC(C)C

Formula $C_{27}H_{27}F_9N_2O_3$ M.Wt 598.5

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

CP-532623 is a CETP inhibitor and elevates high-density lipoprotein cholesterolion. CP-532623 is a close structural analogue of Torcetrapib. CP-532623 has highly lipophilic properties[1][2][3].

CP-532623 is highly lymphatically transported (28% of dose), and lymphatic transport is closely correlated with drug affinity for ex-vivo lymph lipoproteins or triglyceride emulsions and poorly relates to solubility in mixtures of lipoprotein core and/or surface lipids. CP-532623 alters the kinetics of lymph lipid transport and decreases lymph lipid transport in chylomicrons[2].

CP-532623 (50 mg; oral administration; adult male greyhound dogs) treatment substantially transports into the lymphatic system (>25% dose) in fed and fasted dogs. Food enhances oral bioavailability (from 44 to 58%, respectively) and the proportion of the absorbed dose transports via the lymph (from 61 to 86% and from 68 to 83%, respectively). Lymphatic triglyceride transport is significantly lower in fed dogs administered CP-532623[3]. Animal Model: Adult male greyhound dogs (27-39 kg)[3]

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

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[1]. Blasi E, et al. Effects of CP-532,623 and torcetrapib, cholesteryl ester transfer protein inhibitors, on arterial blood pressure. J Cardiovasc Pharmacol. 2009 Jun;53(6):507-16. [2]. Trevaskis NL, et al. The mechanism of lymphatic access of two cholesteryl ester transfer protein inhibitors (CP524,515 and CP532,623) and evaluation of their impact on lymph lipoprotein profiles. Pharm Res. 2010 Sep;27(9):1949-64. [3]. Trevaskis NL, et al. The role of the intestinal lymphatics in the absorption of two highly lipophilic cholesterol ester transfer protein inhibitors (CP524,515 and CP532,623). Pharm Res. 2010 May;27(5):878-93.

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