
Product Data Sheet

Product Name: CP-319340(free base)

Cat. No.: GC31598

Chemical Properties

Cas. No. 186390-35-2

SMILES O=C(C1=CC=CC=C1C2=CC=C(C(F)(F)F)C=C2)NC3=CC4=C(CN(CC5=NC=CN5)CC4)C=C3Formula C₂₇H₂₃F₃N₄O M.Wt 476.49

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**

CP-319340 free base is a microsomal triglyceride transfer protein (MTP) inhibitor.

Microsomal triglyceride transfer protein (MTP) and apolipoprotein B (ApoB) are necessary for lipoprotein assembly. MTP binds to ApoB with high affinity involving ionic interactions. MTP interacts at multiple sites in the N-terminal beta alpha structural domain of apoB[3].

[1]. Sugi, Kiyoshi, et al. Process for producing 4-(2-methylphenyl)benzotrifluoride. EP1700837A1. [2]. Ye, Jin, et al. Treating hepatitis C virus infection. US20080175864A1. [3]. Hussain MM, et al. Microsomal triglyceride transfer protein and its role in apoB-lipoprotein assembly. J Lipid Res. 2003 Jan;44(1):22-32.

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

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