

Product Data Sheet

Product Name: SBC-115337

Cat. No.: GC62303

Chemical Properties

Cas. No. 423148-46-3

Formula C₂₉H₁₉N₃O₄

M.Wt 473.48

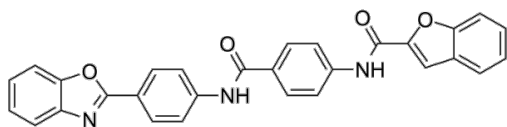
Solubility

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

SBC-115337, as a potent benzofuran compound, is a PCSK9 inhibitor with an IC₅₀ value of 0.5 μM[1][2].

The potent compound (SBC-115,337) shows an IC₅₀ of 0.6 μM measured in an in vitro ELISA assay to monitor the effect of PCSK9 binding to the recombinant LDLR. SBC-115,337 at 1.2 μM induces more than tenfold upregulation of LDLR in HepG2 cells with respect to the control, increases uptake of fluorescently labeled Dil-LDL and lowers LDL-c levels in mice fed a high-fat diet[2].

[1]. Xu S, et al. Small molecules as inhibitors of PCSK9: Current status and future challenges. Eur J

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

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Med Chem. 2019;162:212-233.

[2]. Lavecchia A, et al. Recent advances in developing PCSK9 inhibitors for lipid-lowering therapy.

Future Med Chem. 2019;11(5):423-441.

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