

Product Data Sheet

Product Name: WAY-362692

Cat. No.: GC81340

Chemical Properties

Cas. No. 915763-27-8

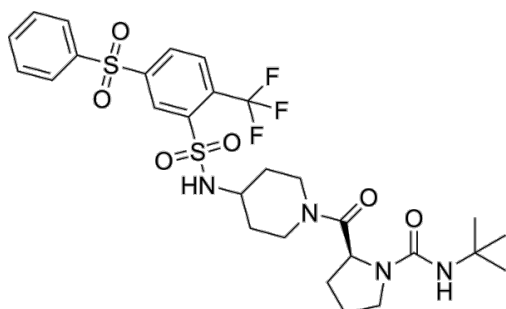
Formula $C_{28}H_{35}F_3N_4O_6S_2$ M.Wt 644.73

Solubility DMSO: 100 mg/mL (155.10 mM; Need ultrasonic) 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

WAY-362692 is a secreted frizzled-related protein (sFRP-1) inhibitor (IC₅₀ of 0.02 μM), targeting the netrin domain of sFRP-1. WAY-362692 can competitively inhibit the interaction between sFRP-1 and Wnt proteins, and activate the Wnt/β-catenin signaling pathway (EC 50 = 0.03 μM). WAY-362692 can activate osteoblasts and promote bone remodeling. WAY-362692 can be used for the research of metabolic disease, such as osteoporosis [1].

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

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In Vitro, WAY-362692 (Compound 7b) (0.1-1 nM, 7 days) induces osteoblast activation and bone remodeling and increases the total bone area of 4-day-old neonatal mouse calvariae^[1].

References:

[1]. Moore WJ, et al. Modulation of Wnt signaling through inhibition of secreted frizzled-related protein I (sFRP-1) with N-substituted piperidinyldiphenylsulfonyl sulfonamides. J Med Chem. 2009 Jan 8;52(1):105-16.

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