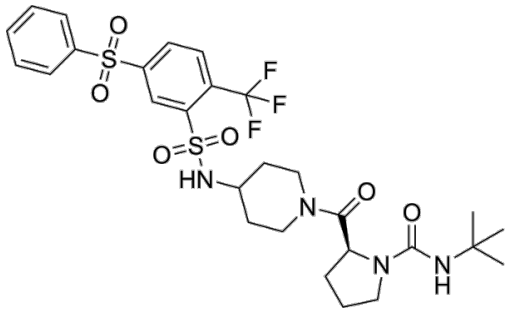
Product Data Sheet

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 (IC_{50} 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.
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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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 piperidinyl diphenylsulfonyl sulfonamides. J Med Chem. 2009 Jan 8;52(1):105-16.

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