

Product Data Sheet

Product Name: Fz7-21 TFA

Cat. No.: GC39383

Chemical Properties

Cas. No.

Formula $C_{85}H_{115}N_{18}F_3O_{25}S_2$ M.Wt 1910.07

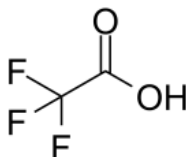
Solubility DMSO: 33.33 mg/mL (17.45 mM); Storage Store at -20°C
Water: < 0.1 mg/mL (insoluble)

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

(Ac)-LPSDDLEFWCHVMY-NH₂



Background

Fz7-21 TFA ((Ac)-LPSDDLEFWCHVMY-NH₂ TFA), a peptide antagonist of Frizzled 7 (FZD 7) receptors, selectively binds to FZD7 CRD subclass. The EC₅₀ values are 58 and 34 nM for human and mouse FZD7 CRD, respectively. Fz7-21 impairs Wnt/β-catenin signaling in HEK293 cells stimulated with exogenous WNT3A (IC₅₀=100 nM) or transfected with a construct expressing WNT3A or WNT1. Fz7-21 also blocks WNT3A-mediated stabilization of β-catenin in mouse L cells (IC₅₀=50 nM)[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

Product Data Sheet

[1]. Nile AH, et al. Publisher Correction: A selective peptide inhibitor of Frizzled 7 receptors disrupts intestinal stem cells. Nat Chem Biol. 2018 Sep;14(9):902.

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