
Product Data Sheet

Product Name: WAY 316606 hydrochloride

Cat. No.: GC50077

Chemical Properties

Cas. No. 1781835-02-6

SMILES O=S(C1=CC=C(C(F)(F)F)C(S(NC3CCNCC3)(=O)=O)=O)=C1)(C2=CC=CC=C2)=O.Cl

Formula	C ₁₈ H ₁₉ F ₃ N ₂ O ₄ S ₂ .HCl	M.Wt	484.94
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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**

Secreted Frizzled-Related Protein-1 (sFRP-1) inhibitor (IC₅₀ = 0.65 μM); prevents sFRP-1 from interacting with Wnt and thus increases Wnt signaling. Increases total bone area in a murine calvarial organ culture assay. We are aware of a study in PLOS Biology where WAY-316606 was found to stimulate hair follicle growth. Please note that WAY-316606 is for laboratory research use only, and that we will only sell to established scientific businesses and institutes.

Moore et al (2010) Modulation of Wnt signaling through inhibition of secreted frizzled-related protein I (sFRP-1) with N-substituted piperidinyl diphenylsulfonyl sulfonamides: part II. *Bioorg.Med.Chem.* 18 190 PMID:19932972 | Moore et al (2009) Modulation of Wnt signaling through inhibition of secreted frizzled-related protein I (sFRP-1) with N-substituted piperidinyl diphenylsulfonyl sulfonamides. *J.Med.Chem.* 52 105 PMID:19072540 | Bodine et al (2009) A small molecule inhibitor of the Wnt antagonist secreted frizzled-related protein-1 stimulates bone formation. *Bone* 44 1063 PMID:19254787

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

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