
Product Data Sheet

Product Name: PF-03654746

Cat. No.: GC36878

Chemical Properties

Cas. No. 935840-31-6

SMILES O=C([C@H]1C[C@@](C2=CC=C(CN3CCCC3)C(F)=C2)(F)C1)NCCFormula C₁₈H₂₄F₂N₂O M.Wt 322.39

Solubility Soluble in DMSO 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**

PF-03654746 is a potent and selective histamine H3 receptor antagonist with high brain penetration. PF-03654746 reduces allergen-induced nasal symptoms, might be a novel therapeutic strategy to further explore allergic rhinitis[1]. PF-03654746 improves cognitive efficacy and disease-modifying effects in Alzheimer's disease (AD)[2].

[1]. Stokes JR, et al. The effects of an H3 receptor antagonist (PF-03654746) with fexofenadine on reducing allergic rhinitis symptoms. *J Allergy Clin Immunol.* 2012 Feb;129(2):409-12, 412.e1-2. [2]. Brioni JD, et al. Discovery of histamine H3 antagonists for the treatment of cognitive disorders and Alzheimer's disease. *J Pharmacol Exp Ther.* 2011 Jan;336(1):38-46.

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

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