

## Product Data Sheet

Product Name: PF-06747711

Cat. No.: GC34710

### Chemical Properties

Cas. No. 1892576-58-7

SMILES O=C(NC1=CN=C(N(C)C=C2C3CCN(C(C(C)C)=O)CC3)C2=C1C(F)(F)F)C4=CC=CC(C#N)=C4

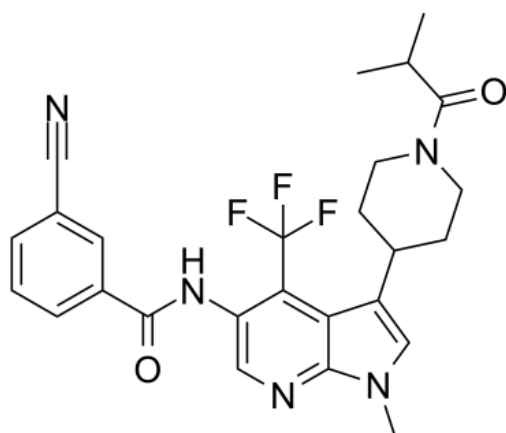
Formula  $C_{26}H_{26}F_3N_5O_2$  M.Wt 497.51

Solubility DMSO: 41.67 mg/mL (83.76 mM) Storage Store at -20°C

General 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 Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



### Background

PF-06747711 is a potent, selective, and orally active retinoic acid receptor-related orphan C2 (RORC2, also known as RORγt) inverse agonist, with an IC<sub>50</sub> of 4.1 nM. Anti-skin inflammatory activity[1]. IC<sub>50</sub>: 4.1 nM (RORC2)[1]

PF-06747711 (Compound 66) reduces IL-17 production by human Th17 cells with an IC<sub>50</sub> of 9.5 nM[1].

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

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PF-06747711 (10, 30, and 100 mg/kg, p.o., daily over 5 days) inhibits ear swelling in a dose-dependent manner in mice[1]. Animal Model: 8-10 week old female Balb/c mice[1]

[1]. Schnute ME, et al. Discovery of 3-Cyano- N-(3-(1-isobutyrylpiperidin-4-yl)-1-methyl-4-(trifluoromethyl)-1 H-pyrrolo[2,3- b]pyridin-5-yl)benzamide: A Potent, Selective, and Orally Bioavailable Retinoic Acid Receptor-Related Orphan Receptor C2 Inverse Agonist. J Med Chem. 2018 Sep 9.

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