
Product Data Sheet

Product Name: PF-05274857 (hydrochloride)

Cat. No.: GC18599

Chemical Properties

Cas. No. 1613439-62-5

Chemical
Name N/ASMILES C1C=C(C2=NC=C(C)C=C2C)C=C(N3CCN(C(CCS(C)(=O)=O)=O)CC3)N=C1.ClFormula $C_{20}H_{25}ClN_4O_3S.HCl$ M.Wt 473.4

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**

Sonic hedgehog (Shh) signaling is initiated by binding of the ligand, Shh, to the receptor Patched 1, which relieves suppression by the associated receptor Smoothed (Smo). PF-05274857 is an antagonist which binds Smo ($K_i = 4.6$ nM), blocking Gli1 transcription in cells stimulated with Shh ($IC_{50} = 2.7$ nM). When administered orally, it distributes through plasma to skin and tumor and remains metabolically stable. PF-05274857 also penetrates the blood-brain barrier and inhibits Smo activity in the brain.

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

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