

Uprosertib hydrochloride

Catalog No: tcsc3088



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

1047635-80-2

Formula:

$C_{18}H_{17}Cl_3F_2N_4O_2$

Pathway:

PI3K/Akt/mTOR

Target:

Akt

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

GSK2141795 (hydrochloride)

Observed Molecular Weight:

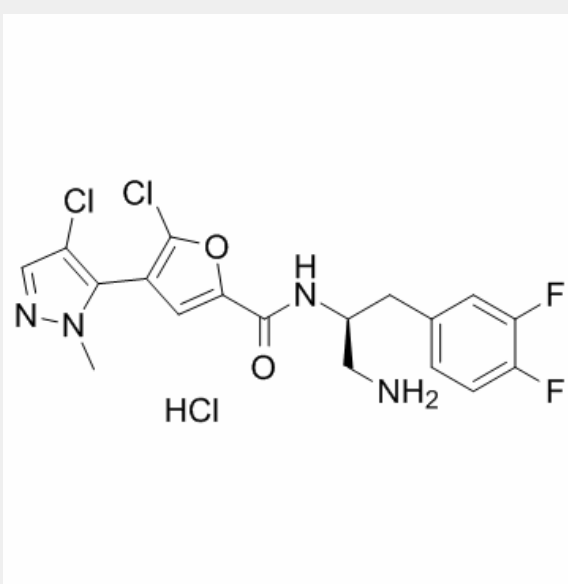
465.71

Product Description

Uprosertib hydrochloride (GSK2141795 hydrochloride) is a potent and selective **pan-Akt** inhibitor with **IC₅₀** values of 180/328/38 nM for Akt1/Akt2/Akt3, respectively.

IC50 & Target: IC50: 180 nM (Akt1), 328 nM (Akt2), 38 nM (Akt3)

In Vitro: Uprosertib inhibits Akt1/2/3 with the K_d values of 16/49/5 nM, respectively. Uprosertib potently inhibits only the PKC family members PRKACA and PRKACB as well as the cGMP-dependent protein kinase PRKG1 apart from the Akts. Protein targets that bind Uprosertib in the lysate show a dose-dependent reduction in binding to the kinobeads, while proteins unaffected by the drug show no reduction in binding^[1].



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