

Porcupine-IN-1

Catalog No: tcsc0041562



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

2036044-77-4

Formula:

$C_{25}H_{19}FN_4O$

Pathway:

Stem Cell/Wnt

Target:

Porcupine

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (243.64 mM)

Observed Molecular Weight:

410.44

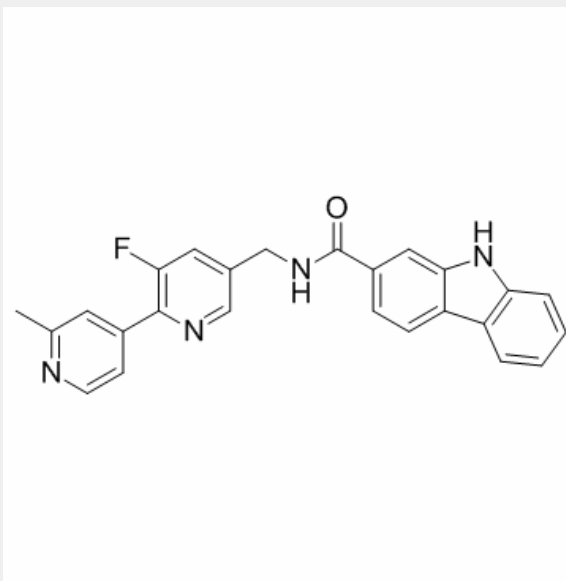
Product Description

Porcupine-IN-1 is potent **porcupine** inhibitor with an **IC₅₀** of 0.5 ± 0.2 nM.

IC50 & Target: IC50: 0.5±0.2 nM (Porcupine inhibitor)^[1]

In Vitro: Porcupine is an enzyme that catalyses the addition of palmitoleate to a serine residue in Wnt proteins, a process which is required for the secretion of Wnt proteins. Porcupine-IN-1 is as potent as the clinical compound LGK974 in a cell based STF reporter gene assay. Porcupine-IN-1 potently inhibits the secretion of Wnt3A, therefore is confirmed to be a porcupine inhibitor^[1].

In Vivo: Porcupine-IN-1 demonstrates moderate clearance under the treatment of human liver microsomes (57 mL/min/kg) and rat liver microsomes (24 mL/min/kg). It exhibits high clearance when treated with mouse microsomes (109 mL/min/kg)^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!