

Catalog Number: CM06472

产品信息

Catalog Number:
CM06472

CAS号:
1258861-20-9

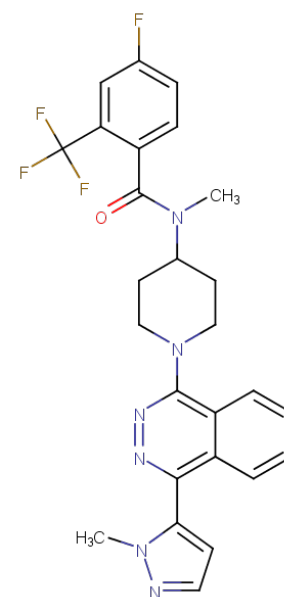
分子式:
C₂₆H₂₄F₄N₆O

主要靶点:
Smo|Hedgehog/Smoothened

主要通路:
G蛋白偶联受体|干细胞

分子量:
512.5

溶解度:
DMSO:5.64 mg/mL (11 mM)



体外活性

LY2940680 inhibits cancer growth in cell lines containing a mutation in the gene encoding Smoothened that researchers had previously observed in patient with cancer who developed resistance to vismodegib. [1]

体内活性

LY2940680 has excellent pharmacokinetic properties in rodent and non-rodent species. LY2940680 administered orally treats Ptch+/- p53-/- transgenic mice which spontaneously develop medulloblastoma, produces remarkable efficacy and significantly improves their survival. LY2940680 reveals rapid kinetics of anti-tumor activity through magnetic resonance imaging of these mice, and LY2940680 induces Caspase-3 activity and reduces proliferation by immunohistochemistry analysis of medulloblastoma tumors. LY2940680 inhibits Hh regulated gene expression in the subcutaneous xenograft tumor stroma and produces significant anti-tumor activity. [2]

描述

Taladegib is an orally bioavailable small molecule antagonist of the Hedgehog (Hh)-ligand cell surface receptor smoothened (Smo) with potential antineoplastic activity.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years