Product Name	:	FGTI-2734
Synonyms	:	——
Cat No.	:	M26215
CAS Number	:	1247018-19-4
Molecular Formula	:	C26H31FN6O2S
Formula Weight	:	510.6
Chemical Name	:	——
Description	:	FGTI-2734 can prevent membrane localization of KRAS, hence solving KRAS resistance problem and thwarting mutant KRAS patient-derived pancreatic tumors.?FGTI-2734 is a RAS C-terminal mimetic dual farnesyl transferase (FT) and geranylgeranyl transferase-1 (GGT-1) inhibitor with IC50s of 250 nM and 520 nM for FT and GGT-1, respectively.(In Vitro):FGTI-2734 (3-30 μM;?72 hours) inhibits both protein prenylation of HDJ2, RAP1A, KRAS and NRAS.?FGTI-2734 inhibits KRAS membrane localization in RAS-transformed murine NIH3T3 cells and in mutant KRAS human cancer cells.?FGTI-2734 (1-30 μM;?72 hours) induces CASPASE-3 and PARP cleavage in MiaPaCa2, L3.6pl and Calu6 cells.(In Vivo):FGTI-2734 (100 mg/kg/daily for 18 to 25 days; i.p.) only inhibited tumor growth in mutant KRAS-dependent tumors but not in mutant KRAS-independent tumors.
Pathway	:	Metabolic Enzyme/Protease
Target	:	Transferase
Receptor	:	NMDA receptor
Solubility	:	——
SMILES	:	Cn1cncc1CN(CCN(CC1CCCCC1)S(=O)(=O)c1ccccn1)c1ccc(cc1F)C#N
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.J Lehmann, et al. CGS 19755, a selective and competitive N-methyl-D-aspartate-type excitatory amino acid receptor antagonist. J Pharmacol Exp Ther. 1988 Jul;246(1):65-75.