

Product Name	: Trk-IN-9
Synonyms	: —
Cat No.	: M35671
CAS Number	: 2758623-12-8
Molecular Formula	: C ₂₃ H ₂₄ ClFN ₆ O
Formula Weight	: 454.93
Chemical Name	: —
Description	Trk-IN-9 (Compound 12) is a potent inhibitor of TRK. Trk-IN-9 inhibits the proliferation of Km-12 cell lines. Trk-IN-9 induces the apoptosis of Km-12 cells in a concentration-dependent manner. Trk-IN-9 inhibits the phosphorylation of TRK to block downstream pathways. Trk-IN-9 has the potential for the research of NTRK-fusion cancers.
Pathway	: Apoptosis
Target	: Apoptosis
Receptor	: Apoptosis Trk receptor
Solubility	: —
SMILES	: <chem>N(C=1N=C(NCC2=CC(F)=CC=C2)C(Cl)=CN1)C3=CC(C(N[C@@H]4CCCCNC4)=O)=CC=C3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wu T, et al. Rational drug design to explore the structure-activity relationship (SAR) of TRK inhibitors with 2,4-diaminopyrimidine scaffold. Eur J Med Chem. 2022;230:114096.?