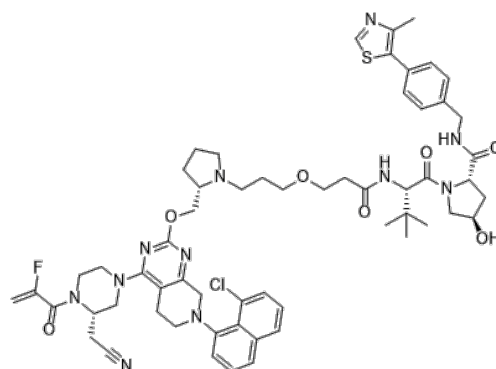


Product Name : KRAS G12C PROTAC LC-2
Cat. No. : PC-26457
CAS No. : 2502156-03-6
Molecular Formula : C₅₉H₇₁ClFN₁₁O₇S
Molecular Weight : 1132.80
Target : PROTAC
Solubility : 10 mM in DMSO



CAS: 2502156-03-6

Biological Activity

KRAS G12C PROTAC LC-2 is a potent, selective VHL-Recruiting PROTAC degrader of KRASG12C with DC50 of 0.59 μ M and Dmax of 80% in NCI-H2030 cells.

LC-2 covalently binds KRASG12C with a MRTX849 warhead and recruits the E3 ligase VHL, inducing rapid and sustained KRASG12C degradation leading to suppression of MAPK signaling in both homozygous and heterozygous KRASG12C cell lines.

LC-2 has DC50 values between 0.25 and 0.76 μ M as well as Dmax values ranging from ~75-90% in 5 different KRASG12C cell lines.

LC-2 can degrade mutant KRAS in both homozygous and heterozygous cell lines with varying sensitivities to MRTX849.

LC-2 modulates Erk signaling in homozygous and heterozygous KRASG12C cell lines.

References

Bond MJ, et al. ACS Cent Sci. 2020 Aug 26;6(8):1367-1375.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com