PROTAC KRAS G12C degrader-1

Cat. No.: HY-139186

Molecular Formula: $C_{50}H_{54}ClFN_8O_6$

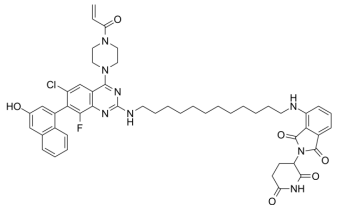
Molecular Weight: 917.47

Target: PROTACs

Pathway: PROTAC

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (109.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.0900 mL	5.4498 mL	10.8995 mL
	5 mM	0.2180 mL	1.0900 mL	2.1799 mL
	10 mM	0.1090 mL	0.5450 mL	1.0900 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PROTAC KRAS G12C degrader-1 is a Cereblon-based $KRAS^{G12C}$ PROTAC degrader. PROTAC KRAS G12C degrader-1 induces CRBN/ $KRAS^{G12C}$ dimerization and degrades GFP- $KRAS^{G12C}$ in reporter cells[1].

In Vitro

PROTAC KRAS G12C degrader-1 (Compound 10) engages CRBN in cells, bound KRASG12C in vitro, induces CRBN/KRASG12C dimerization, and degrades GFP-KRASG12C in reporter cells in a CRBN-dependent manner[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zeng M, et, al. Exploring Targeted Degradation Strategy for Oncogenic KRAS G12C. Cell Chem Biol. 2020 Jan 16;27(1):19-31.e6.

Caution: Product has not been fully validated for medical applications. For research use only.

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