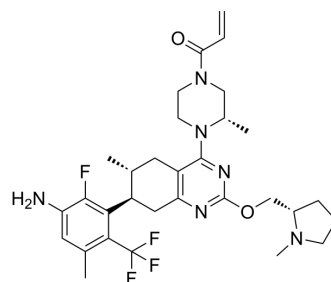


KRAS inhibitor-20

Cat. No.:	HY-151287
CAS No.:	2411786-32-6
Molecular Formula:	C ₃₁ H ₄₀ F ₄ N ₆ O ₂
Molecular Weight:	604.68
Target:	Ras
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KRAS inhibitor-20 is a small molecular inhibitor of KRas ^{G12C} , the oncogenic mutant. KRAS inhibitor-20 inhibits KRas ^{G12C} with the IC ₅₀ value <10 nM ^[1] .
IC₅₀ & Target	KRAS(G12C) <10 nM (IC ₅₀ , ^[1])
In Vitro	KRAS inhibitor-20 (compound 12b) results KRas ^{G12C} alkylation human lung cancer adenocarcinoma (HCC 1171) with an EC ₅₀ value of 3.3 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kargbo RB. Small-Molecule Inhibitor of the Oncogenic KRASG12C Mutant for the Treatment of Currently Incurable Cancer. ACS Med Chem Lett. 2022 Apr 20;13(5):767-769.

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

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