
Product Name	: KRpep-2d	Ac-RRRRCPLYISYDPVCRRRR-NH2
Cat. No.	: PC-38328	
CAS No.	: 2098181-84-9	
Molecular Formula	: C ₁₀₈ H ₁₈₂ N ₄₄ O ₂₅ S ₂	
Molecular Weight	: 2561.01	
Target	: Ras	
Solubility	: 10 mM in PBS (25.6 mg/mL)	

Biological Activity

KRpep-2d (Ac-RRRRCPLYISYDPVCRR-NH₂) is a potent, selective, cell-membrane permeable, cyclic peptide inhibitor of **K-Ras(G12D)** with IC₅₀ of 1.6 nM, >10-fold selectivity over WT and G12C KRas.

KRpep-2d significantly suppressed ERK-phosphorylation, downstream of K-Ras(G12D), along with A427 cancer cell proliferation at 30 μM peptide concentration.

References

Sakamoto K, et al. *Biochem Biophys Res Commun*. 2017 Mar 11;484(3):605-611.

Niida A, et al. *Bioorg Med Chem Lett*. 2017 Jun 15;27(12):2757-2761.

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

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