

Cyclorasin 9A5

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| Cat. No.: | HY-P10051 |
| CAS No.: | 1782098-79-6 |
| Molecular Formula: | C ₇₅ H ₁₀₈ N ₂₅ O ₁₃ |
| Molecular Weight: | 1586.82 |
| Sequence: | Cyclo({d-Ala}-Arg-Arg-Arg-Ala-Arg-Phe-{Nal}-Gln-Trp-Thr) |
| Sequence Shortening: | Cyclo({d-Ala}-RRRARF-{Nal}-QWT) |
| Target: | Ras; Raf |
| Pathway: | GPCR/G Protein; MAPK/ERK Pathway |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

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| Description | Cyclorasin 9A5 is an 11-residue cell-permeable cyclic peptide that orthosterically inhibits the Ras-Raf protein interaction with an IC ₅₀ of 120 nM ^[1] . |
| IC ₅₀ & Target | IC50: 120 nM (Ras-Raf protein interaction) ^[1] . |

REFERENCES

[1]. Koh Takeuchi, et al. Conformational Plasticity of Cyclic Ras-Inhibitor Peptides Defines Cell Permeabilization Activity. *Angew Chem Int Ed Engl.* 2021 Mar 15;60(12):6567-6572.

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

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