

G7-18NATE

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| Cat. No.: | HY-P10224 |
| CAS No.: | 936728-13-1 |
| Molecular Formula: | C ₆₇ H ₈₀ N ₁₄ O ₁₉ S |
| Molecular Weight: | 1417.5 |
| Sequence: | cyclo(CH ₂ CO-Trp-Phe-Glu-Gly-Tyr-Asp-Asn-Thr-Phe-Pro-Cys(NH ₂)-S-) |
| Sequence Shortening: | cyclo(CH ₂ CO-WFEGYDNTFP-Cys(NH ₂)-S-) |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

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| Description | G7-18NATE is a peptide inhibitor of Grb7. HY-P10224 binds to the Grb7-SH2 domain with micromolar affinity ($K_D = 18.1 \mu\text{M}$). G7-18NATE inhibits cell proliferation, motility, cell invasion and 3D culture formation in several cancer cell lines ^{[1][2]} . |
| In Vitro | G7-18NATE (10 μM , 24 h) inhibits cell migration in MDA-MB-468 cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. Sang J, et al. Evaluation of Cyclic Peptide Inhibitors of the Grb7 Breast Cancer Target: Small Change in Cargo Results in Large Change in Cellular Activity. *Molecules*. 2019 Oct 17;24(20):3739.
- [2]. Giricz O, et al. GRB7 is required for triple-negative breast cancer cell invasion and survival. *Breast Cancer Res Treat*. 2012 Jun;133(2):607-15.

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

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