

Retrocyclin-1

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| Cat. No.: | HY-P4902 |
| CAS No.: | 724760-19-4 |
| Molecular Formula: | C ₇₄ H ₁₂₈ N ₃₀ O ₁₈ S ₆ |
| Molecular Weight: | 1918.39 |
| Sequence: | Cyclo(-Gly-Ile-Cys-Arg-Cys-Ile-Cys-Gly-Arg-Gly-Ile-Cys-Arg-Cys-Ile-Cys-Gly-Arg) (Disulfide bridge:Cys2-Cys11;Cys4-Cys9;Cys13-Cys18) |
| Sequence Shortening: | RCICGRGICRCICGRGIC (Disulfide bridge:Cys2-Cys11;Cys4-Cys9;Cys13-Cys18) |
| Target: | Others |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

Description

Retrocyclin-1 is a kind of Theta-defensin. Retrocyclin-1 recognizes and binds to carbohydrate-containing surface molecules, to protect cells from HIV-1 infection. Retrocyclin-1 exhibits high affinity to fetuin, gp120 ($K_d=35.4$ nM), CD4 ($K_d=31$ nM), and galactosylceramide ($K_d=24.1$ nM)^[1].

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

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