# R18 peptide (biotinylated)

## 14-3-3 inhibitor

The peptide sequence, PHCVPRDLSWLDLEANMCLP, named R18, was identified as an unphosphorylated peptide that binds to 14-3-3 proteins with high affinity ($K_d$=80 nM). It has been shown to bind to the same amphipathic groove on the surface of 14-3-3 as phosphorylated peptides. R18 can inhibit the formation of the 14-3-3-Raf-1 complex, reduce Raf-1 dependent transcriptional activity in cells and block the activation of ExoS by 14-3-3. It binds to all the 14-3-3 isoforms with equal affinities. This peptide is useful for competitive inhibition experiments and the N-terminal biotin allows it to be used in assay with streptavidin bound membranes.

## Ordering Information

Order Online »

| | |
|---|---|
| **BML-P225-0001** | 1mg |

## Manuals, SDS & CofA

View Online »

## Handling & Storage

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|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Appearance** | Lyophilized solid. |
| **MW** | 2536.7 |
| **Purity** | ≥95% |
| **Sequence** | Biotin-Pro-His-Cys-Val-Pro-Arg-Asp-Leu-Ser-Trp-Leu-Asp-Leu-Glu-Ala-Asn-Met-Cys-Leu-Pro-OH |
| **Solubility** | Soluble in Water. |

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