

## STAT3-IN-24, cell-permeable

Cat. No.:	HY-P10114
CAS No.:	400628-16-2
Molecular Formula:	C <sub>92</sub> H <sub>157</sub> N <sub>20</sub> O <sub>24</sub> P
Molecular Weight:	1958.32
Sequence:	Pro-{Tyr(PO3H2)}-Leu-Lys-Thr-Lys-Ala-Ala-Val-Leu-Leu-Pro-Val-Leu-Leu-Ala-Ala-Pro
Sequence Shortening:	P-{Tyr(PO3H2)}-LKTAAVLLPVLLAAP
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

STAT3-IN-24, cell-permeable (PpYLKTK-mts) is a STAT3 peptide inhibitor. STAT3-IN-24, cell-permeable inhibits recruitment of STAT3 to Jak2 and phosphorylation of Y705, thus preventing the dimerization and the nuclear translocation of STAT3<sup>[1]</sup>.

### REFERENCES

[1]. Buettner C, et al. Critical role of STAT3 in leptin's metabolic actions. Cell Metab. 2006 Jul;4(1):49-60.

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

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