

## Stat3 Inhibitor Peptide, Cell-Permeable

<b>ALTERNATE NAME:</b>	PY*LKTK-mts (where Y* = phosphotyrosine)
<b>CATALOG #:</b>	1778-1, 5
<b>AMOUNT:</b>	1 mg, 5 mg
<b>PEPTIDE SEQUENCE:</b>	H-Pro-Tyr-(PO <sub>3</sub> H <sub>2</sub> )-Leu-Lys-Thr-Lys-Ala-Ala-Val-Leu-Leu-Pro-Val-Leu-Leu-Ala-Ala-Pro-OH. CF <sub>3</sub> CO <sub>2</sub> H
<b>MOLECULAR FORMULA:</b>	C <sub>92</sub> H <sub>157</sub> N <sub>20</sub> O <sub>24</sub> P. C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	1958.32. 114.02
<b>APPEARANCE:</b>	White lyophilized solid
<b>SOLUBILITY:</b>	H <sub>2</sub> O
<b>PURITY:</b>	≥95% by HPLC
<b>STORAGE:</b>	Store at -20 °C
<b>DESCRIPTION:</b>	Cell-permeable. A peptide-based inhibitor, PY*LKTK-mts (mts = membrane translocating sequence) that selectively inhibits constitutive and ligand-induced activation of Stat3 <i>in vivo</i> . Also suppresses transformation by Src oncoprotein that requires constitutive Stat3 activation.
<b>REFERENCE:</b>	Turkson, J., <i>et al.</i> (2001). <i>J. Biol. Chem.</i> <b>276</b> , 45443-45455.
<b>HANDLING:</b>	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

- CP-690550 (Cat. No. 1622-5, 25)
- Stat1 Antibody (Cat. No. 3133R-100)
- Stat2 Antibody (Cat. No. 3468R-100)
- Phospho-Stat2 Antibody (Cat. No. 3469-1000)
- Stat3 Antibody (Cat. No. 3470R-100)
- Phospho-Stat3 Antibody (Cat. No. 3474-100)
- Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)
- Stat4 Antibody (Cat. No. 3471R-100)
- Stat5 Antibody (Cat. No. 3472-100)
- Phospho-Stat5 Antibody (Cat. No. 3475-100)
- Stat6 Antibody (Cat. No. 3473R-100)
- Phospho-Stat6 Antibody (Cat. No. 3476-100)
- Tyrphostin AG 490 (Cat. No. 1570-5)