

New Products for Cell Signaling & Neuroscience

[S 5192](#) **SB-222200**
Non-peptide NK₃ tachykinin receptor antagonist. *Sold for research purposes under agreement from GlaxoSmithKline.*

[S 9816](#) **Anti-SNAP-23** (rabbit)

[S 9067](#) **Monoclonal Anti-Syntaxin 6**, Clone 3D10 (mouse)

[V 1889](#) **VER-3323 hemifumarate**
Orally active 5-HT_{2C/2B} serotonin receptor agonist.
Manufactured and sold under exclusive license from Vernalis Group plc.

[V 1389](#) **Anti-Vesicle-Associated Membrane Protein 2**
(VAMP 2) (rabbit)

[V 1639](#) **Anti-Vesicle-Associated Membrane Protein 3**
(VAMP 3) (rabbit)

NITRIC OXIDE AND CELL STRESS

[C 8363](#) **Anti-Calpastatin, C-Terminal Long Isoform** (rabbit)

[C 8613](#) **Anti-Calpastatin, Domains 4A Long Isoform** (rabbit)

[C 8488](#) **Anti-Calpastatin, Linker between Domains 2C and 3A Long Isoform** (rabbit)

[C 8238](#) **Anti-Calpastatin, N-Terminal (Domain-L) Testis Isoform** (rabbit)

PHOSPHORYLATION

[C 7863](#) **Anti-CSK** (rabbit)

[F 7803](#) **Anti-phospho-Focal Adhesion Kinase (FAK)**
[pSer⁷³²] (rabbit)

[F 7928](#) **Anti-phospho-Focal Adhesion Kinase (FAK)**
[pSer⁸⁴³] (rabbit)

[I 1783](#) **Anti-phospho-Insulin Receptor (IR)** [pTyr⁹⁷²] (rabbit)

[I 1908](#) **Anti-phospho-Insulin Receptor/Insulin-Like Growth Factor 1 Receptor (IR/IGF1R)** [pTyr¹¹⁵⁸] (rabbit)

[I 2158](#) **Anti-phospho-Insulin Receptor/Insulin-Like Growth Factor 1 Receptor (IR/IGF1R)** [pTyr¹¹⁶²/pTyr¹¹⁶³] (rabbit)

[I 1658](#) **Anti-phospho-Insulin Receptor Substrate-1 (IRS-1)** [pTyr¹¹⁷⁹] (rabbit)

[I 2283](#) **Anti-phospho-Insulin Receptor Substrate-1 (IRS-1)** [pTyr¹²²⁹] (rabbit)

[I 2408](#) **Anti-phospho-Insulin Receptor Substrate-1 (IRS-1)** [pTyr⁸⁹⁶] (rabbit)

[I 2533](#) **Anti-phospho-Insulin Receptor Substrate-1 (IRS-1)** [pSer³¹²] (rabbit)

[I 2658](#) **Anti-phospho-Insulin Receptor Substrate-1 (IRS-1)** [pTyr⁶¹²] (rabbit)

[S 0568](#) **SB-202190**
p38 MAP kinase inhibitor. *Sold for research purposes under agreement from GlaxoSmithKline.*

[S 0193](#) **SKF-86002**
p38 MAP kinase inhibitor. *Sold for research purposes under agreement from GlaxoSmithKline.*

Leptomycin B: Nuclear export inhibitor
Now available in more sizes, lower prices,
but with the same Sigma quality,
service and value!



L 2913 Leptomycin B	0.5 µg	\$ 200.00 (US)
from <i>Streptomyces</i> sp.	2 x 0.5 µg	280.00
minimum 95% (HPLC),	5 x 0.5 µg	625.00
5 µg/ml in 70% methanol	10 x 0.5 µg	990.00

Leptomycin B is an unsaturated, branched-chain fatty acid and is an important tool in the study of nuclear export. It inhibits nucleo-cytoplasmic translocation of molecules such as the HIV-1 Rev protein and Rev-dependent export of mRNA. Other proteins that are influenced by Leptomycin B are actin, c-Abl, cyclin B1, MDM2/p53, Ikb, MPF and PKA.

References

1. Ullman, K.S., et al., *Cell*, **90**, 967-970 (1997).
2. Wolff, B., et al., *Chem. Biol.*, **4**, 139-147 (1997).
3. Fukuda, M., et al., *Nature*, **390**, 308 (1997).

