

Small Molecules and Peptides

Essential Tools for Life Science Research

A Unique Collection of Innovative Products

Everything from the latest exclusively licensed research tools to established biochemical standards.

Unrivalled Product Quality

Our products have certified high purity, typically greater than 99% by HPLC.

Specialist Technical Support

Our team of scientifically trained personnel is here to help.

Responsible and Ethical Practice

It is Bio-Techne policy to never knowingly infringe third party intellectual property.

Pharmaceutical Collaboration

A number of Tocris products are licensed from pharmaceutical companies and research institutions.

Our Extensive Catalog Includes Products for the Study of:

Pharmacology

- 7-TM Receptors
- Ion Channels
- Nuclear Receptors
- Enzyme-Linked Receptors
- Transporters
- Enzymes

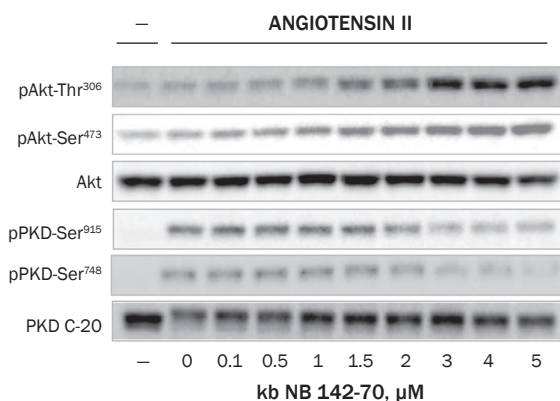
Cellular Processes

- Angiogenesis
- Apoptosis
- Cell Cycle
- Cell Metabolism
- Cytoskeleton & Motor Proteins
- ECM & Adhesion Molecules
- Epigenetics
- Signal Transduction
- Stem Cells

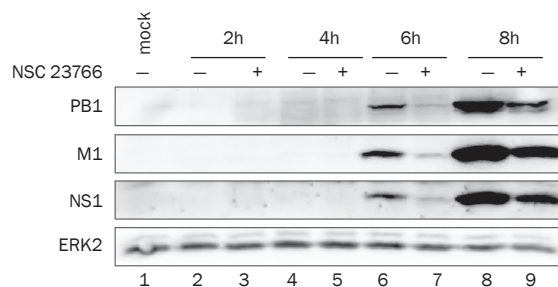
Research Area

- Cancer
- Cardiovascular System
- Endocrinology
- Immunology
- Neuroscience
- Pain & Inflammation
- Respiratory System

Tocris Products are Reliable, Highly Trusted, and Widely Cited in High Impact Journals



PKD1 inhibition by increasing concentrations of kb NB 142-70 potentiates PI3K/Akt activation in angiotensin II-stimulated IEC-18 cells. Confluent cultures of IEC-18 cells were incubated in the absence (-) or presence (kb) of increasing concentrations of kb NB 142-70 (Catalog # 3962) for 1 h prior to stimulation of the cells without (-) or with 50 nM angiotensin II for 1 h, as indicated. All cultures were then lysed with 2X SDS-PAGE sample buffer. The samples were analyzed by SDS-PAGE and immunoblotting with antibodies that detect the phosphorylated state of Akt at Ser⁴⁷³ and Thr³⁰⁶, and PKD1 at Ser⁹¹⁵ and Ser⁷⁴⁸. Total Akt and PKD1 (PKD C-20) served as loading controls. Figure adapted from Ni, Y. *et al.* (2013) *PLoS One* **8**:e73149.



Inhibition of Rac1 by NSC 23766 leads to reduced synthesis of viral proteins. A549 cells, infected with A/Puerto-Rico/8/34 rec. (moi = 5), were treated with 100 μM NSC 23766 (Catalog # 2161) 30 min p.i.. Cell lysates were prepared at the indicated times and subjected to Western blot analysis. The viral protein synthesis was monitored by PB1, M1, and NS1 detection, with ERK2 serving as a loading control. Figure adapted from Dierkes, R. *et al.* (2014) *PLoS One* **9**:e88520.

Bulk and Custom Ordering

Tocris is able to offer competitive discounts on products purchased in bulk quantities as either individual or multiple items. If the product you are interested in is not currently listed on our website we will be happy to look for a supplier on your behalf. To request a bulk quantity quotation, please use our online enquiry form at www.Tocris.com/BulkQuantities or contact us with your requirements. We will do our best to accommodate your needs.

Recent Citations

Pluripotent stem cells induced from mouse somatic cells by small-molecule compounds. Hou, P. *et al.* (2013) *Science* **341**:651.

Tocriscreen Total - Collection of 1120 biologically active compounds (Catalog # 2884)

RG 108 - Non-nucleoside DNA methyltransferase inhibitor (Catalog # 3295)

UNC 0638 - Selective inhibitor of G9a and GLP (Catalog # 4343)

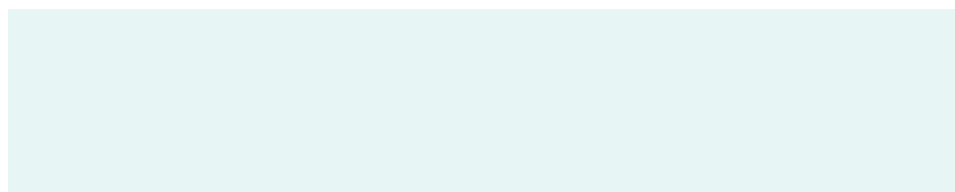
TTNPB - Extremely potent analog of retinoic acid (Catalog # 0761)

p38 MAPK signaling underlies a cell-autonomous loss of stem cell self-renewal in skeletal muscle of aged mice. Bernet, J.D. *et al.* (2014) *Nat. Med.* **20**:265.

SU 5402 - Potent FGFR and VEGFR inhibitor (Catalog # 3300)

SB 203580 - Selective p38 MAPK inhibitor (Catalog # 1202)

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