

Kinases

TOCRIS
a biotechne brand

Introduction

Kinases are key components of intracellular signaling networks that are often dysregulated in certain disease states such as cancer, and cardiovascular, neurodegenerative and inflammatory disorders.

Tocris offers products that target more than 50 different kinases, including:

- Akt (PKB)
- AMPK
- Casein Kinase
- GSK-3
- I κ B Kinase
- JAK
- MAPK
- MEK
- mTOR
- PI 3-Kinase
- PKA, PKC, PKG
- Rho-Kinase

Some Key Products for Kinases

Go 6983 (#2285)

Protein Kinase C Inhibitor

- › Potent and broad spectrum PKC inhibitor
- › Exhibits cardioprotective effects

H 89 (#2910)

Protein Kinase A Inhibitor

- › Potent PKA inhibitor
- › Suitable for *in vivo* experiments
- › Used to study nociception by pain researchers

PF 573228 (#3239)

FAK Inhibitor

- › Potent and selective focal adhesion kinase (FAK) inhibitor
- › Blocks fibronectin-directed migration
- › Licensed to Tocris from Pfizer

Rapamycin (#1292)

mTOR Inhibitor

- › Selective mTOR inhibitor
- › Induces autophagy *in vitro*
- › Exhibits antifungal and immunosuppressant activity

U0126 (#1144)

MEK Inhibitor

- › Selective MEK inhibitor
- › Suitable for *in vivo* experiments
- › Brain penetrant
- › Negative control U0124 (#1868) also available

Kinases Literature from Tocris



Kinase Listing

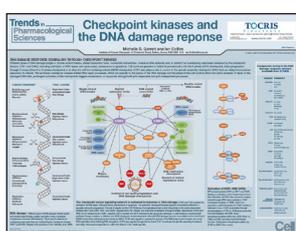
A collection of over 400 products for kinase research, the listing includes inhibitors of:

- Receptor Tyrosine Kinases
- Protein Kinases
- PI-3 Kinase, Akt and mTOR
- MAPK Signaling
- Receptor Serine/Threonine Kinases



MAPK Signaling Review

This review discusses the regulation of the MAPK pathway and properties of MAPK cascades. MAPK signaling is an important focus of cancer research. Compounds available from Tocris are listed.



Cell Cycle Kinases Poster

This poster summarizes the response of the checkpoint kinase signaling network to DNA damage, including activation of DNA repair, cell-cycle arrest, senescence and apoptosis.

For a complete overview, please visit www.tocris.com/kinases

An Intuitive Website

We add hundreds of new products to our range each year, and our website is the most up-to-date resource available. Updated weekly, our new products can be easily identified by the **New** symbol.

Products are organized by target, and each target comes with a wealth of relevant biological information. All product pages display information about the published biological activity of each product, along with technical data including solubility, storage conditions, and purity.

Our website also features handy online tools to help researchers easily calculate molarity and stock dilutions for each product. Frequently asked questions and a glossary of common scientific terms can also be found on our website, providing instant solutions for researchers' queries.

Why Buy From Tocris?

Fair Pricing

We believe that our pricing is the fairest on the market. When you buy products from Tocris you receive exceptional quality material, together with value for money; our products are typically sold in research quantities (10 mg and 50 mg).

Innovative Products

Our product range is continuously growing. We have a dedicated team of scientists working to quickly find the best, newest and most relevant chemical tools available, so we can be first to market with the latest research tools.

Ethical Approach

It is Tocris policy to never knowingly infringe patents. Instead, we work together with academic institutes and pharmaceutical companies to provide rewards to inventors. We also support open access drug discovery programs across the world.

Life Science Literature from Tocris

Tocris provides a wide range of scientific literature, including the following titles:

Product Guides & Listings



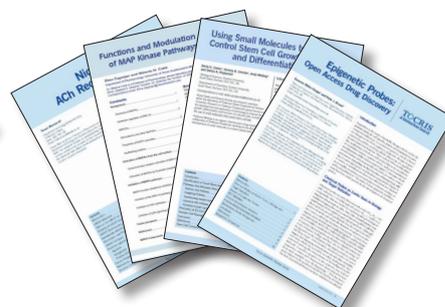
- Cancer Research
- Neurodegeneration
- Cardiovascular Research
- Pain Research

Life Science Posters



- Learning and Memory
- Programmed Cell Death
- Autophagy
- Peripheral Sensitization

Scientific Reviews



- Epigenetics
- Stem Cells
- MAPK Signaling
- Nicotinic ACh Receptors

For a complete selection of Tocris literature please visit www.tocris.com/literature.php

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