

Neuroscience

TOCRIS
a biotechne brand

Introduction

Tocris offers a wide range of small molecules and peptides that target a number of enzymes, receptors and transporters associated with neuroscience.

Areas covered by our product range include:

- Alzheimer's Disease
- Blood Brain Barrier
- Memory, Learning and Cognition
- Neural Development
- Neuropeptides
- Neurotransmission
- Parkinson's Disease
- Schizophrenia
- Stress and Anxiety

Some Key Products for Neuroscience

D-AP5 (#0106)

NMDA Receptor Antagonist

- › Widely used potent NMDA receptor antagonist
- › Suitable for *in vivo* experiments
- › L-isomer (#0107) and DL mixed isomer (#0105) also available

Kainic acid (#0222)

Excitant and Neurotoxin

- › Selective kainate receptor agonist
- › Neurotoxin - activates limbic seizures and causes neuronal damage
- › Suitable for *in vivo* experiments

MPEP (#1212)

mGlu₅ Antagonist and mGlu₄ PAM

- › Potent mGlu₅ antagonist
- › Positive allosteric modulator (PAM) at mGlu₄
- › Reverses mechanical hyperalgesia in the inflamed rat hind paw
- › Brain penetrant

NBQX (#1044)

AMPA Antagonist

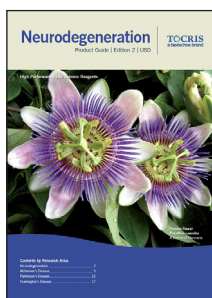
- › Selective AMPA antagonist
- › Neuroprotective and anticonvulsant *in vivo*
- › Sold with the permission of Novo Nordisk A/S

SR 95531 (#1262)

GABA_A Receptor Antagonist

- › Selective GABA_A receptor antagonist
- › Suitable for *in vivo* experiments

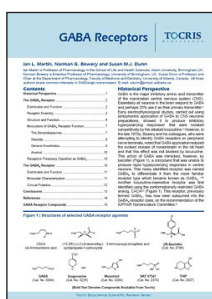
Neuroscience Literature from Tocris



Neurodegeneration Guide

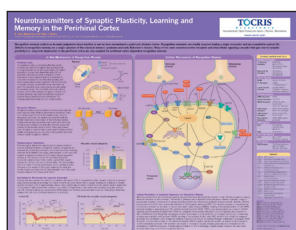
A collection of over 250 products for neurodegeneration research, the guide includes research tools for the study of:

- Alzheimer's Disease
- Parkinson's Disease
- Huntington's Disease



GABA Receptors Review

This review provides a history of the GABA receptor, as well as discussing the structure and function of the various subtypes and the clinical potential of receptor modulators; compounds available from Tocris are listed.



Learning and Memory Poster

This poster outlines the cellular mechanisms that underlie recognition memory and its links to long-term depression, as well as the use of pharmacological intervention to assess the role of neurotransmitters in recognition memory.

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

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



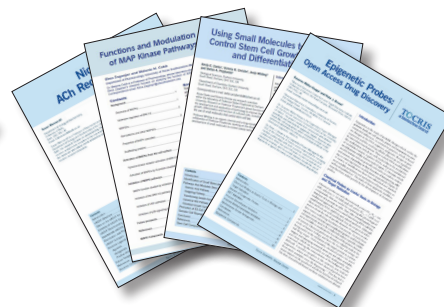
- Cancer Research
- Neurodegeneration
- Cardiovascular Research
- Pain Research

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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