

Product datasheet

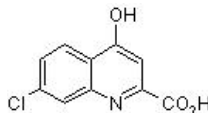
7-Chlorokynurenic acid ab120024

1 图像

概述

产品名称	7-Chlorokynurenic acid
描述	NMDA receptor glycine site拮抗剂
生物学描述	Potent NMDA receptor glycine site antagonist. Water-soluble form available - please see 7-Chlorokynurenic acid sodium salt ( <a href="#">ab120255</a> ).
纯度	> 99%

性能

化学名称	7-Chloro-4-hydroxyquinoline-2-carboxylic acid
分子量	223.62
化学结构	

分子式	C <sub>10</sub> H <sub>6</sub> ClNO <sub>3</sub>
CAS编号	18000-24-3
PubChem识别号	1884

**存放说明** Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**溶解度概述** Soluble in 1 eq. NaOH to 100 mM and in DMSO to 100 mM

**处理** Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES	O=C(O)c1cc(O)c2ccc(Cl)cc2n1
来源	Synthetic

应用

Our [Abpromise guarantee](#) covers the use of **ab120024** in the following tested applications.

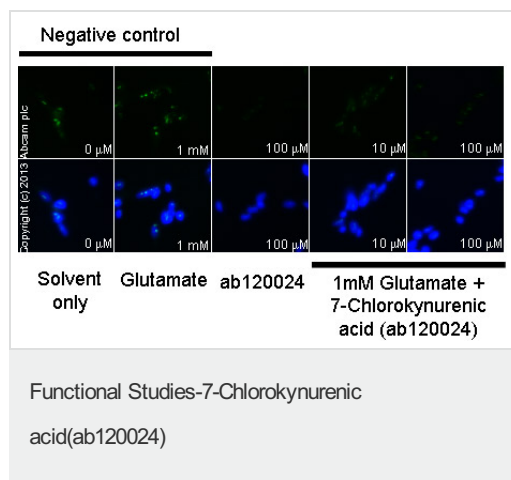
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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Functional Studies

Use at an assay dependent concentration.

## 图片



[ab12416](#) staining cGMP in SKNSH cells treated with 7-Chlorokynurenic acid ([ab120024](#)), by ICC/IF. Decrease in cGMP expression correlates with increased concentration of 7-Chlorokynurenic acid, as described in literature.

The cells were incubated at 37°C for 15 minutes in media containing different concentrations of [ab120024](#) (7-Chlorokynurenic acid) in DMSO. Some samples were then further incubated with 15 μM NMDA ([ab120052](#)) for 5 minutes and all samples were fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with [ab12416](#) (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team