

Product datasheet

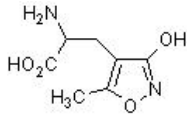
(R,S)-AMPA ab120130

5 References 1 图像

概述

<b>产品名称</b>	(R,S)-AMPA
<b>描述</b>	AMPA激动剂
<b>生物学描述</b>	Prototypic agonist for AMPA receptors.
<b>纯度</b>	Also available in simple stock solutions ( <a href="#">ab146679</a> ) - add 1 ml of water to get an exact, ready-to-use concentration. > 99%

性能

<b>化学名称</b>	(RS)- $\alpha$ -Amino-3-hydroxy-5-methylisoxazole-4-propionic acid
<b>分子量</b>	186.17
<b>化学结构</b>	 <p>The image shows the chemical structure of (R,S)-AMPA. It consists of a central carbon atom bonded to an amino group (H<sub>2</sub>N), a carboxylic acid group (HO<sub>2</sub>C), a hydroxyl group (OH), and a 5-methylisoxazol-3-ylmethyl group. The isoxazole ring has a methyl group (H<sub>3</sub>C) at the 5-position and an oxygen atom at the 2-position.</p>
<b>分子式</b>	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>
<b>CAS编号</b>	74341-63-2
<b>PubChem识别号</b>	1221
<b>存放说明</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>溶解度概述</b>	Soluble in water to 10 mM
<b>处理</b>	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 <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	NC(Cc1c(C)onc1O)C(=O)O
<b>来源</b>	Synthetic

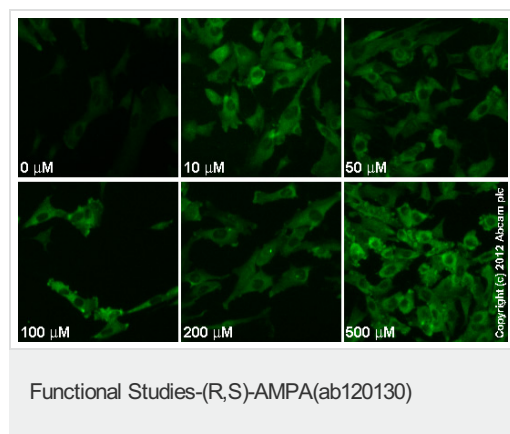
## 应用

Our [Abpromise guarantee](#) covers the use of **ab120130** 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
Functional Studies		Use at an assay dependent concentration.

## 图片



[ab96379](#) staining MEK1 (phospho S298) in SK-N-SH cells treated with (R,S)-AMPA (ab120130), by ICC/IF. Increase in MEK1 (phospho S298) expression correlates with increased concentration of (R,S)-AMPA, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120130 ((R,S)-AMPA) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 [ab96379](#) (1/100 dilution) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody.

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

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