

GYKI 52466, Selective non-competitive AMPA antagonist ab120336

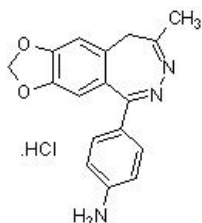
6 References [2 图像](#)

概述

产品名称	GYKI 52466, Selective non-competitive AMPA拮抗剂
描述	Selective non-competitive AMPA拮抗剂
生物学描述	Selective non-competitive AMPA receptor antagonist (IC ₅₀ values are 10-20, approx. 450 and >50 μM for AMPA-, kainate- and NMDA-induced responses, respectively). Skeletal muscle relaxant, orally active anticonvulsant, neuroprotective and anxiolytic <i>in vivo</i> . Also available in simple stock solutions (ab146716) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS编号 102771-26-6

化学结构



性能

化学名称	4-(8-Methyl-9H-1,3-dioxolo[4,5- <i>h</i>][2,3]benzodiazepin-5-yl)-benzenamine hydrochloride
分子量	329.79
分子式	C ₁₇ H ₁₅ N ₃ O ₂ ·HCl
PubChem识别号	10042240
存放说明	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in 1eq. HCl to 10mM and in DMSO to 25 mM (with heating)
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.

Refer to SDS for further information

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

SMILES

Cl.Nc1ccc(cc1)C3=NN=C(C)Cc2cc4OCOc4cc23

来源

Synthetic

应用

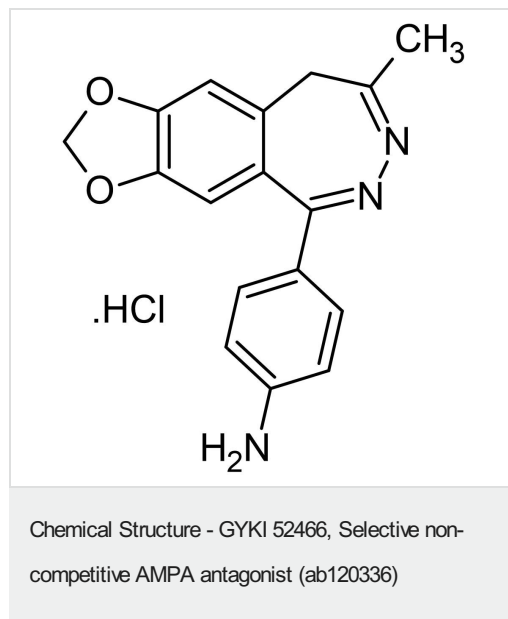
The Abpromise guarantee

Abpromise™ 承诺保证使用 ab120336 于以下的经测试应用

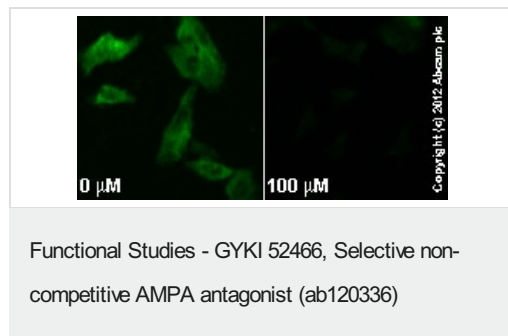
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
Functional Studies		Use at an assay dependent concentration.

图片



2D chemical structure image of ab120336, GYKI 52466, Selective non-competitive AMPA antagonist



ab96379 staining MEK1 (phospho S298) in SK-N-SH cells treated with GYKI 52466 (ab120336), by ICC/IF. Decrease in MEK1 (phospho S298) expression correlates with increased concentration of GYKI 52466, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of ab120336 (GYKI 52466) 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. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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