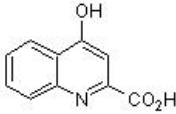


Kynurenic acid, endogenous ionotropic / nicotinic antagonist ab120064

[27 References](#) [2 图像](#)

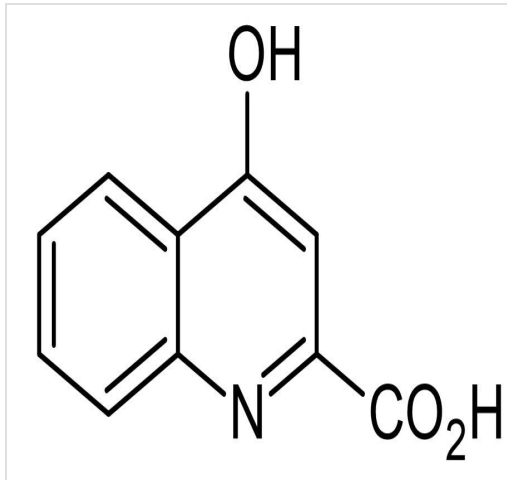
概述

产品名称	Kynurenic acid, endogenous ionotropic / nicotinic拮抗剂
描述	Endogenous ionotropic / nicotinic拮抗剂
生物学描述	Endogenous antagonist at ionotropic, glycine β and $\alpha 7$ nicotinic receptors. Neuroprotective <i>in vivo</i> . Water-soluble form available - please see Kynurenic acid sodium salt (ab120256)
CAS编号	492-27-3
化学结构	

性能

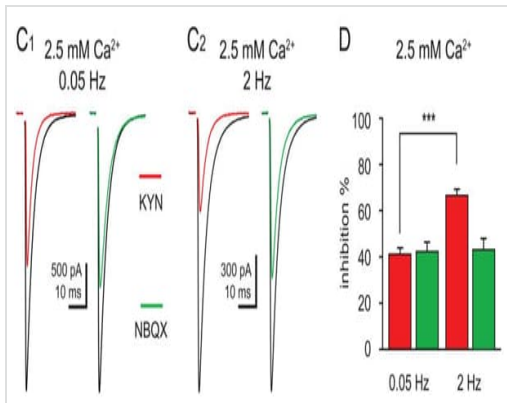
化学名称	4-Hydroxyquinoline-2-carboxylic acid
分子量	189.17
分子式	C ₁₀ H ₇ NO ₃
PubChem识别号	3845
存放说明	Store at Room Temperature. The product can be stored for up to 12 months.
溶解度概述	Soluble in 1 eq. NaOH to 100 mM and in DMSO to 50 mM
处理	<p>Wherever possible, you should prepare and use solutions on the same day. 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.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	O=C(O)c1cc(O)c2ccccc2n1
来源	Synthetic

图片



2D chemical structure image of ab120064, Kynurenic acid, endogenous ionotropic / nicotinic antagonist

Chemical Structure - Kynurenic acid, endogenous ionotropic / nicotinic antagonist (ab120064)



C1 and C2 - Inhibition of climbing fiber to Purkinje cell EPSCs in (control; black) by 1 mM Kynurenic acid (red, ab120064) or 100 nM NBQX (green, [ab120045](#)) recorded in 2.5 mM external Ca²⁺ at 0.05 Hz (C1) and 2 Hz (C2) stimulation frequency. D - Summary of inhibition of EPSCs by 1 mM Kynurenic acid (red, ab120064) and 100 nM NBQX (green, [ab120045](#)) in 2.5 mM external Ca²⁺.

Functional Studies - Kynurenic acid, endogenous ionotropic / nicotinic antagonist (ab120064)

Image from Rudolph S et al., Neuron. 2011;70(5):991-1004. Fig 3.; doi: 10.1016/j.neuron.2011.03.029 with permission from Elsevier.

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