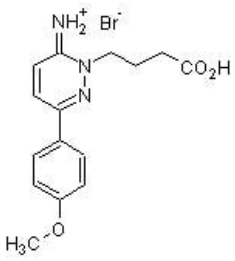
abcam

Product datasheet

SR95531 (Gabazine), GABAA antagonist ab120042

152 References 3 图像

概述

产品名称	SR95531 (Gabazine), GABAA拮抗剂
描述	$GABA_A$拮抗剂
生物学描述	Selective, competitive $GABA_A$ receptor antagonist. Allosteric inhibitor of channel opening of the $GABA_A$ receptor. Displaces [^{3}H]-GABA from rat brain membranes with a K_i of 150 nM. Also available in simple stock solutions (**ab144487**) - add 1 ml of water to get an exact, ready-to-use concentration.
CAS编号	104104-50-9
化学结构	

性能

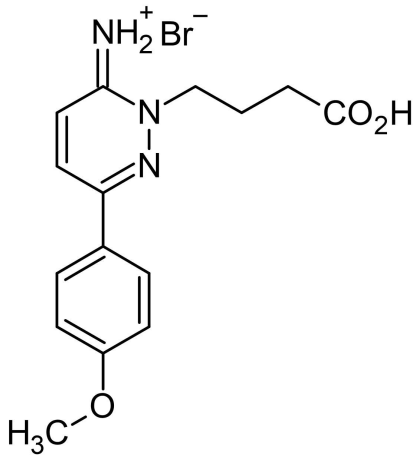
化学名称	2-(3-Carboxypropyl)-3-amino-6-(4 methoxyphenyl)pyridazinium bromide
分子量	368.23
分子式	$C_{15}H_{17}N_3O_3$.HBr
PubChem识别号	107895
存放说明	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 25 mM
处理	Wherever possible, you should prepare 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 [Br-].COc1ccc(cc1)C=2C=CC(=[NH2+])N(CCCC(=O)O)N=2

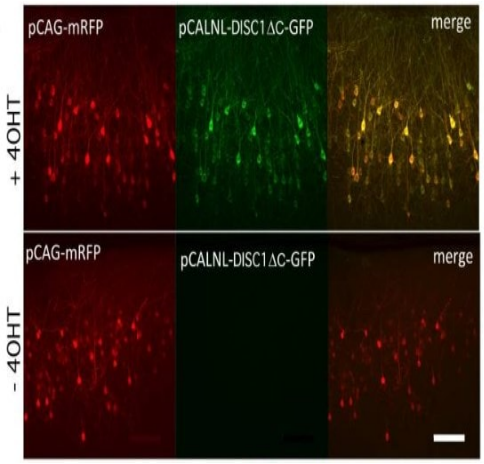
来源 Synthetic

图片



Chemical Structure - SR95531 (Gabazine), $GABA_A$ antagonist (ab120042)

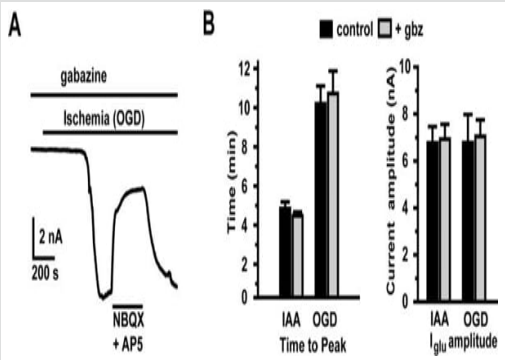
2D chemical structure image of ab120042, SR95531 (Gabazine), GABAA antagonist



Cellular activation - SR95531 (Gabazine), $GABA_A$ antagonist (ab120042)

Image from Maher BJ, LoTurco JJ, Plos One, 7(3), e34053. Fig 1,; doi: 10.1371/journal.pone.0034053

Expression of DISC1ΔC is induced by postnatal administration of 4-OHT as seen by expression of GFP fused to DISC1ΔC in this P28 brain slice. No GFP expression is observed in vehicle treated animals (- 4-OHT). Scale bar equals 100 µm. Performed in the presence of gabazine (5 µM) and TTX (1 µM).



Functional Studies - SR95531 (Gabazine), $GABA_A$ antagonist (ab120042)

Image from Brady JD et al., Neuroscience. 2010;168(1):108-17. Fig 3.; doi: 10.1016/j.neuroscience.2010.03.009 with permission from Elsevier.

A. Purkinje cell response to simulated ischemia (OGD only) in the continuous presence of the GABAA antagonist GABAzine (ab120042, 10 µM), and during subsequent block of glutamate receptors with AP5 (**ab120003**, 50 µM) + NBQX (**ab120045**, 25 µM). B. Bar charts summarize the timing and magnitude of ischemia-induced glutamate currents (for both methods of simulating ischemia) with and without GABAA receptors blocked. Iglu is the magnitude of current blocked by AP5 (**ab120003**, 50 µM) + NBQX (**ab120045**, 25 µM).