

Ibotenic acid, excitotoxic agonist ab120041

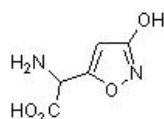
13 References **画像数 2**

製品の概要

製品名	Ibotenic acid, excitotoxic agonist
製品の詳細	Excitotoxic agonist
生理活性の詳細	Neuroexcitatory amino acid originally isolated from <i>Amanita</i> species. Neurotoxin often used to model cognitive dysfunctions. NMDA and metabotropic receptor agonist.
	Also available in simple stock solutions (ab146670) - add 1 ml of water to get an exact, ready-to-use concentration.

CAS 番号 2552-55-8

構造式



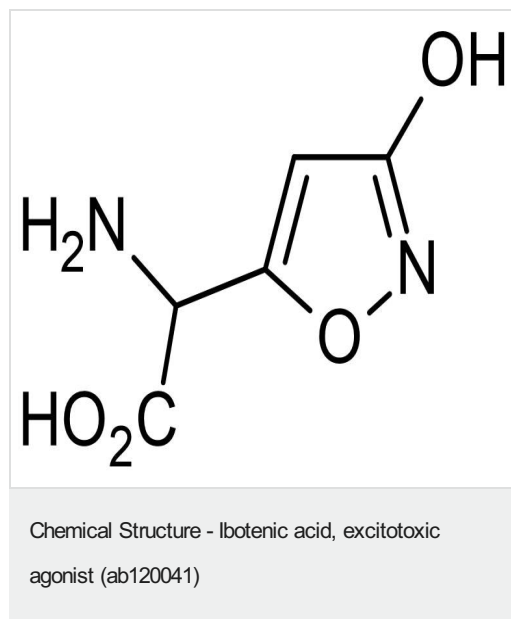
製品の特性

体系名	2-Amino-2-(3-hydroxyisoxazol-5-yl)acetic acid
分子量	158.11
分子式	C ₅ H ₆ N ₂ O ₄
PubChem 登録番号	1233
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 10 mM
使用に関する注意	<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>Toxic, 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 線形表記	NC(C(=O)O)c1cc(O)n1

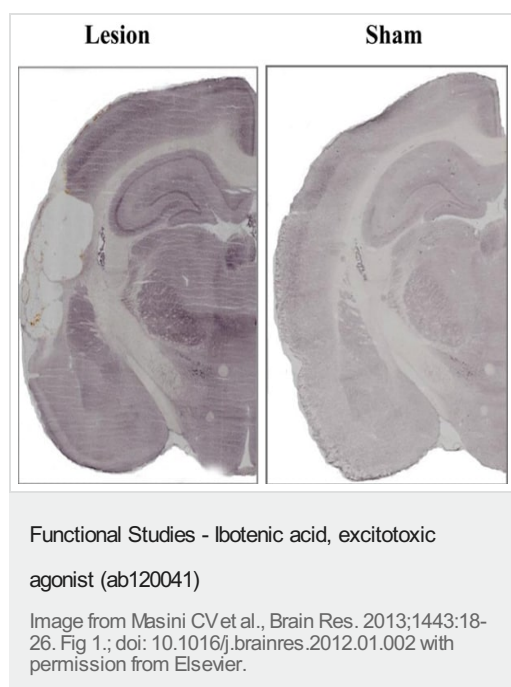
由来

Synthetic

画像



2D chemical structure image of ab120041, Ibotenic acid, excitotoxic agonist



Representative examples of NeuN immunohistochemistry of a complete auditory cortex lesion or sham-operated control section. Rats were anesthetized with halothane and placed in a Kopf stereotaxic apparatus. The skin overlying the skull was disinfected, an incision made, and small burr holes drilled through the skull bone to allow penetration of the injector (Hamilton 1 µl syringe). Bilateral excitotoxic lesions (two per side) were produced by injections of 0.25 µl ibotenic acid (10 µg/µl in 0.1 M sodium phosphate buffer, pH: 7.4; ab120041). The rate of infusion was 0.05 µl/min. The injector was lowered in the brain and left in place 3 min before and 5 min after each injection.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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