

Product datasheet

Kainic acid, prototypic kainate receptor agonist  
ab120100

45 References

Overview

<b>Product name</b>	Kainic acid, prototypic kainate receptor agonist
<b>Description</b>	Prototypic kainate receptor agonist
<b>Biological description</b>	Prototypic agonist at the kainate class of ionotropic glutamate receptors. Potent excitant and neurotoxin, used to model epilepsy and neurodegenerative states. Also available in Kit(s): ionotropic agonists ( <a href="#">ab120323</a> ).

Also available in simple stock solutions ([ab144490](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

**Purity** > 99%

**CAS Number** 487-79-6



Properties

**Chemical name** (2S,3S,4S)-3-(Carboxymethyl)-4-(prop-1-en-2-yl)pyrrolidine-2-carboxylic acid

**Molecular weight** 213.23

**Molecular formula** C<sub>10</sub>H<sub>15</sub>NO<sub>4</sub>

**Storage instructions** Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview** Soluble in water to 25 mM

**Handling** 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**CC(=C)[C@H]1CNC([C@H]1CC(=O)O)C(=O)O**Source***Digenea simplex***Applications**

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Our [Abpromise guarantee](#) covers the use of **ab120100** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

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**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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