

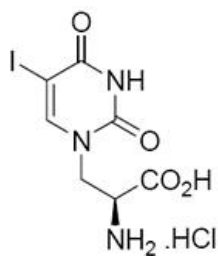
## Product datasheet

# (S)-5-Iodowillardiine hydrochloride ab120401

### Overview

<b>Product name</b>	(S)-5-Iodowillardiine hydrochloride
<b>Description</b>	GluK1 kainate agonist. More water-soluble than ( <a href="#">ab120222</a> ). Only available in: Ionotropic agonists: Kit ( <a href="#">ab120323</a> ).
<b>Biological description</b>	Selective GluK1 (formerly GluR5) kainate receptor agonist ( $EC_{50} = 83 \mu M$ ). Partial agonist activity at GluK2 (formerly GluR6/KA2) receptors. Displays low affinity for AMPA and homomeric GluR6 and GluR7 receptors. More water-soluble than the free base form ( <a href="#">ab120323</a> ).
<b>Purity</b>	> 98%

### Chemical structure



### Properties

<b>Chemical name</b>	(S)-2-Amino-3-(5-iodo-3,4-dihydro-2,4-dioxypyrimidin-1(2H)-yl)propanoic acid hydrochloride
<b>Molecular weight</b>	361.52
<b>Molecular formula</b>	C <sub>7</sub> H <sub>8</sub> IN <sub>3</sub> O <sub>4</sub> .HCl
<b>Storage instructions</b>	Store at +4°C (desiccating conditions).
<b>Solubility overview</b>	Soluble in DMSO to 100 mM
<b>Handling</b>	<p>Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months.</p> <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>
<b>SMILES</b>	Cl.N[C@@H](CN1C=C(I)C(=O)NC1=O)C(=O)O
<b>Source</b>	Synthetic

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

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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