

## Certificate of Analysis

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**Product Name:** AGN 192403 hydrochloride

**Catalog No.:** 1072

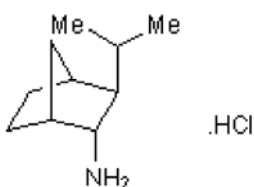
**Batch No.:** 4

CAS Number: 1021868-90-5

IUPAC Name: (±)-2-*endo*-Amino-3-*exo*-isopropylbicyclo[2.2.1]heptane hydrochloride

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>10</sub>H<sub>19</sub>N.HCl  
**Batch Molecular Weight:** 189.73  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



(and enantiomer)

### 2. ANALYTICAL DATA

**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	63.31	10.63	7.38
Found	63.17	10.57	7.45

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number:	1021868-90-5			
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**Description:**

AGN 192403 hydrochloride is an  $I_1$  imidazoline binding site selective ligand with a potency at  $I_1$  comparable to moxonidine, but devoid of affinity for adrenoceptors and the  $I_2$  binding site. Causes none of the physiological responses associated with the  $I_1$  binding site in animal models. Also binds TMED9 cargo receptor. Releases MUC1-fs from TMED9 containing vesicles in kidney cells bearing MUC1 gene mutation

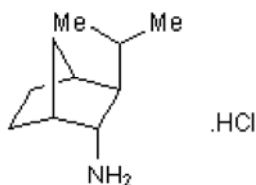
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**References:**

**Dvela-Levitt** (2019) Small molecule targets TMED9 and promotes lysosomal degradation to reverse proteinopathy. *Cell* **178** 521. PMID: 31348885.

**Mukaddam-Daher et al** (2006) Receptors involved in moxonidine-stimulated atrial natriuretic peptide released from isolated normotensive rat hearts. *Eur.J.Pharmacol.* **541** 73. PMID: 16774751.

**Raasch et al** (2002) Agmatine, an endogenous ligand at imidazoline binding sites, does not antagonize the clonidine-mediated blood pressure reaction. *Br.J.Pharmacol.* **135** 663. PMID: 11834614.

**Storage:** Store at RT

**Solubility & Usage Info:**

water to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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