

Product Name: AGN 192403 hydrochloride

Catalog No.: 1072

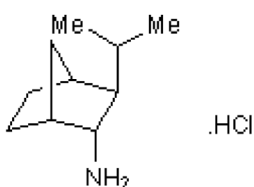
Batch No.: 5

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: C₁₀H₁₉N.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

¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.31	10.63	7.38
Found	63.58	10.51	7.24

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

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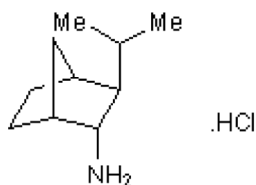
Description:

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. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

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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