

Product Name: BAY 6096

Catalog No.: 8006

Batch No.: 1

CAS Number: 2313483-41-7

IUPAC Name: 1-[2-[[[3-(3,5-Dimethyl-4-isoxazolyl)imidazo[1,2-a]pyridin-7-yl]carbonyl]amino]ethyl]-4-(methylamino)pyridinium chloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₂₃ClN₆O₂·2¼H₂O

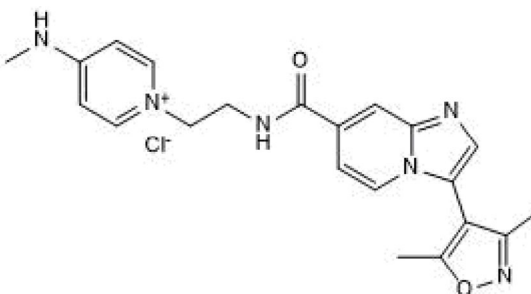
Batch Molecular Weight: 467.44

Physical Appearance: Off White solid

Solubility: water to 100 mM
DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	53.96	5.93	17.98	7.58
Found	53.14	5.72	17.62	7.63

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Description:

BAY 6096 is a potent (IC₅₀ = 14 nM), and selective adrenergic α_{2B} receptor antagonist that displays 394, 725, >845-fold selectivity over α_{1A}, α_{2A}, and α_{2C}, respectively. BAY 6096 reduces α_{2B} receptor agonist-induced vasoconstriction and has a high clearance and low mean residence times in rats. BAY 6096 is highly water-soluble.

Physical and Chemical Properties:

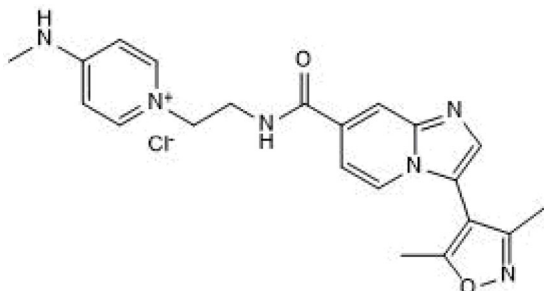
Batch Molecular Formula: C₂₁H₂₃ClN₆O₂·2¼H₂O

Batch Molecular Weight: 467.44

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

water to 100 mM

DMSO 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.

Licensing Information:

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the BAY 6096 probe summary on the SGC website.

References:

Meibom et al (2023) BAY-6096: A potent, selective, and highly water-soluble adrenergic α_{2B} antagonist. *J Med Chem* **66** 4659. PMID: 36932954.

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