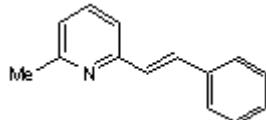


Product Name: SIB 1893**Catalog No.:** 1214**Batch No.:** 1**CAS Number:** 6266-99-5**IUPAC Name:** 2-Methyl-6-(2-phenylethenyl)pyridine**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₄H₁₃N**Batch Molecular Weight:** 195.26**Physical Appearance:** White crystalline solid**Solubility:** DMSO to 100 mM**Storage:** Desiccate at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.5 (Diethyl ether:Hexane [1:2])**Melting Point:** Between 45 - 48°C**¹H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

	Theoretical	86.12	6.71	7.17	0 0 0
Found		86.13	6.72	7.16	0 0 0

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Product Name: SIB 1893

Catalog No.: 1214

Batch No.: 1

CAS Number: 6266-99-5

IUPAC Name: 2-Methyl-6-(2-phenylethynyl)pyridine

Description:

A highly selective non-competitive antagonist for the metabotropic glutamate mGlu₅ receptor subtype; displays an IC₅₀ value of 0.3 μ M at hmGlu₅, compared with > 100 μ M at hmGlu_{1b}, hmGlu₂, hmGlu₆, hmGlu₇ and hmGlu₈. Centrally active upon systemic administration *in vivo*. Positive allosteric modulator at mGlu₄ receptors.

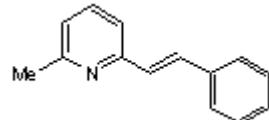
Physical and Chemical Properties:

Batch Molecular Formula: C₁₄H₁₃N

Batch Molecular Weight: 195.26

Physical Appearance: White crystalline solid

Batch Molecular Structure:



Storage: Desiccate at +4°C

Solubility & Usage Info:

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. 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.

References:

Varney et al (1999) SIB-1757 and SIB-1893: selective, noncompetitive antagonists of metabotropic glutamate receptor type 5. *J.Pharmacol.Exp.Ther.* **290** 170. PMID: 10381773.

Chapman et al (2000) Anticonvulsant activity of two metabotropic glutamate group I antagonists selective for the mGlu5 receptor: 2-methyl-6-(phenylethynyl)-pyridine (MPEP), and (E)-6-methyl-2-styryl-pyridine (SIB 1893). *Neuropharmacology* **39** 1567. PMID: 10854901.

Mathiesen et al (2003) Positive allosteric modulation of the human metabotropic glutamate receptor 4 (hmGluR4) by SIB-1893 and MPEP. *Br.J.Pharmacol.* **138** 1026. PMID: 12684257.

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