

## Certificate of Analysis

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**Product Name:** SIB 1757

**Catalog No.:** 1215

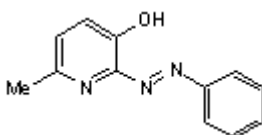
**Batch No.:** 2

**CAS Number:** 31993-01-8

**IUPAC Name:** 6-Methyl-2-(phenylazo)-3-pyridinol

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>12</sub>H<sub>11</sub>N<sub>3</sub>O  
**Batch Molecular Weight:** 213.24  
**Physical Appearance:** Orange/red solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.8 (Dichloromethane:Acetone [92:8])  
**Melting Point:** Between 174 - 176°C  
**<sup>1</sup>H NMR:** Consistent with structure  
**Microanalysis:**

	Carbon Hydrogen Nitrogen			
Theoretical	67.59	5.2	19.71	0 0 0
Found	67.63	5.17	19.55	0 0 0

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## Product Information

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### Description:

A highly selective antagonist for the mGlu<sub>5</sub> metabotropic glutamate receptor subtype; displays an IC<sub>50</sub> value of 0.4 µM at hmGlu<sub>5</sub> compared with > 30 µM at hmGlu<sub>1b</sub>, hmGlu<sub>2</sub>, hmGlu<sub>4</sub>, hmGlu<sub>6</sub>, hmGlu<sub>7</sub> and hmGlu<sub>8</sub>.

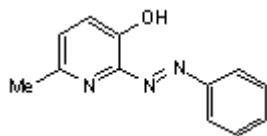
### Physical and Chemical Properties:

Batch Molecular Formula: C<sub>12</sub>H<sub>11</sub>N<sub>3</sub>O

Batch Molecular Weight: 213.24

Physical Appearance: Orange/red solid

### Batch Molecular Structure:



**Storage:** Store at RT

### 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.

**Varney *et al*** (1999) Characterisation of SIB-1757 and SIB-1893: highly selective antagonists at metabotropic glutamate receptor subtype 5. *Br.J.Pharmacol.* **126** 248P.

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