

Certificate of Analysis

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Product Name: 4-Phenyl-1,2,3,4-tetrahydroisoquinoline hydrochloride

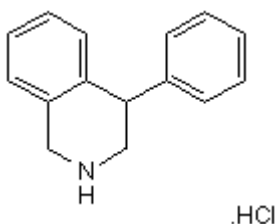
Catalog No.: 0730

Batch No.: 2

CAS Number: 6109-35-9

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₅N.HCl
Batch Molecular Weight: 245.75
Physical Appearance: White crystalline solid
Solubility: Soluble in DMSO
 water to 25 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.54 (Dichloromethane:Methanol:Triethylamine [9:1:0.1])
Melting Point: Between 222 - 224°C
¹H NMR: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	73.31	6.56	5.7
Found	73.08	6.56	5.65

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

Product Information

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Product Name: 4-Phenyl-1,2,3,4-tetrahydroisoquinoline hydrochloride

Catalog No.: 0730

Batch No.: 2

CAS Number: 6109-35-9

Description:

Inhibitor of release of dopamine induced by methamphetamine.

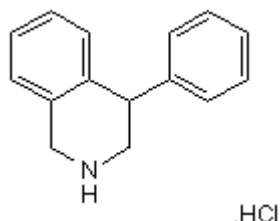
Physical and Chemical Properties:

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Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

Soluble in DMSO
water to 25 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:

Tateyama *et al* (1993) 4-Phenyltetrahydroisoquinoline, but not nomifensine or cocaine, inhibits methamphetamine-induced dopamine release. *Eur.J.Pharmacol.* **240** 51. PMID: 8405121.

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