Certificate of Analysis

Product Name: **Vigabatrin** **Catalog No.: 0808** **Batch No.: 9**

CAS Number: 68506-86-5

IUPAC Name: 4-Aminohexenoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_6H_{11}NO_2$

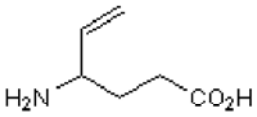
Batch Molecular Weight: 129.16

Physical Appearance: White solid

Solubility: water to 100 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100.0% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.8	8.58	10.84
Found	55.65	8.66	10.82

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Product Information

Product Name: **Vigabatrin** **Catalog No.: 0808** **Batch No.: 9**

CAS Number: 68506-86-5

IUPAC Name: 4-Aminohexenoic acid

Description:

Selective GABA-T (transaminase) inhibitor. Anticonvulsant.

Physical and Chemical Properties:

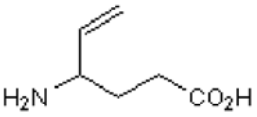
Batch Molecular Formula: $C_6H_{11}NO_2$

Batch Molecular Weight: 129.16

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

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. 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:

Schmid *et al* (1996) Vigabatrin modulates benzodiazepine receptor activity *in vivo*: a positron emission tomography study in baboon. J.Pharmacol.Exp.Ther. ***276*** 977. PMID: 8786578.

Halonen *et al* (1991) Effects of vigab. (γ-vinyl GABA) on neurotransmission-related amino acids and on GABA and benzodiazepine receptor binding in rats. Epilepsia ***32*** 242. PMID: 1672276.

Larsson *et al* (1986) Differential effect of gamma-vinyl GABA and valproate on GABA transaminase from cultured neurones and astrocytes. Neuropharmacology ***25*** 617. PMID: 3092125.