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DATASHEET

Vigabatrin

Product overview

Name	Vigabatrin
Cat No	HB0868
Alternative names	(±)-γ-Vinyl GABA
Biological action	Inhibitor
Purity	>98%
Description	Selective, irreversible GABA-T (transaminase) inhibitor

Images



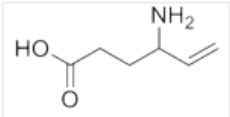
Biological Data

Biological description	Selective and irreversible GABA-T (transaminase) inhibitor. Inhibits GABA catabolism. Increases GABA levels in the brain and CSF while decreasing glutamate in a dose-dependent manner. Shows anticonvulsant and antidepressant actions.
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Solubility & Handling

Storage instructions	+4 °C (desiccate)
Solubility overview	Soluble in water (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-Aminohexenoic acid
Molecular Weight	129.16
Chemical structure	
Molecular Formula	C ₆ H ₁₁ NO ₂
CAS Number	68506-86-5
PubChem identifier	5665

Chemical name	4-Aminohexenoic acid
SMILES	<chem>NC(C=C)CCC(O)=O</chem>
InChiKey	PJDFLNIOAUIZSL-UHFFFAOYSA-N

References

Differential effect of gamma-vinyl GABA and valproate on GABA-transaminase from cultured neurones and astrocytes.

Larsson OM *et al* (1986) Neuropharmacology 25(6)

PubMedID [3092125](#)

Effects of vigabatrin (gamma-vinyl GABA) on neurotransmission-related amino acids and on GABA and benzodiazepine receptor binding in rats.

Halonen T *et al* (1991) Epilepsia 32(2)

PubMedID [1672276](#)

Vigabatrin has antiepileptogenic and antidepressant effects in an animal model of epilepsy and depression comorbidity.

Russo E *et al* (2011) Behav Brain Res 225(1)

PubMedID [21807031](#)
