

# Sodium Valproate (CAS number- 1069-66-5)

TAJMTF-LMAERY8972

Taj Active Pharmaceuticals Ingredients

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TAJ PHARMACEUTICALS LIMITED INDIA



Raw Material / Chemicals Index

Taj Pharmaceuticals Ltd.

Sodium Valproate

(Cas No 1069-66-5)



## Sodium Valproate

### Sodium Valproate

**Standard** BP2000

**Shelf life** 3 years

**CAS number** 1069-66-5

**Molecular Formula :** C<sub>8</sub>H<sub>15</sub>NaO<sub>2</sub>

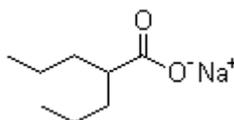
**Molecular weight:** 166.20

**Characteristics** A white or almost white crystalline powder

**Identification** Positive

**Acidity And Alkatinity** ≤0.75ml0.1MnaOH or 0.1M HCl

**Clarity and Colour of Solution** ≤Reference SuspensionII≤Y6



<b>Heavy Metals</b>	≤20ppm
<b>Chloride</b>	≤200ppm
<b>Sulphate</b>	≤200ppm
<b>Loss on Drying</b>	≤2.0%
<b>Free valproic acid</b>	≤1.0%
<b>Assay</b>	≤98.5-101.0%
<b>Total impurity</b>	≤0.3%
<b>Any dividual impurity</b>	≤0.1%
<b>Any related Substances</b>	≤0.1%
<b>Loss on Drying</b>	NMT 3.0%
<b>Heavy Metals</b>	NMT 20PPM
<b>Toxicity</b>	Oral rat LD50: 670 mg/kg
<b>Synonyms</b>	Valproic acid sodium salt;

2-propylvaleric acid, sodium salt; 2-Propylpentanoic acid sodium salt; Depakene; Dipropylacetate sodium; Epilim; Sodium 2-propylpentanoate; Sodium 2-propylvalerate; Sodium alpha,alpha-dipropylacetate; Sodium bispropylacetate; Sodium dipropylacetate; Sodium n-dipropylacetate; Valerin; Valproate sodium; sodium hydrogen bis(2-propylpentanoate);

#### **Stability**

Stable under ordinary conditions.

#### **APPLICATIONS**

Valproic acid and its derivatives are used solely or in combination with other anticonvulsants to prevent seizures and migraines. Valproates are effective against the manic phase of bipolar disorder.

#### **SALES SPECIFICATION**

<b>APPEARANCE</b>	white powder
<b>CONTENT</b>	98.0% min

#### **Microbiological Test**

Total plate count MAX 1000/g  
Yeast&mold MAX 100/g  
E.Coli Negative

<b>ATC code</b>	N03AG01
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<b>PubChem</b>	14047
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<b>ChemSpider</b>	13428
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#### **Chemical data**

Mol. mass 166.20 g/mol  
Pharmacokinetic data  
Bioavailability ?  
Protein binding 90–95%  
Metabolism 75% by CYP enzymes  
Half life 9–18 hours  
Excretion 20% excreted as glucuronide

#### **Description**

Sodium valproate is indicated mainly for complex or pure absence seizure, it can also be kinds to treat myoclonia or assist to treat it. Which is white powder, slightly subastringent, soluble to water.

### **Mechanism Of Toxic Effects**

Valproate is a drug with anticonvulsant activity against a wide range of seizure types and appears to be well tolerated at therapeutic doses. In therapeutic use valproate's action may be related to altered turnover of GABA and actions on voltage sensitive sodium channels. The mechanisms involved in toxicity are unclear. It appears to have teratogenic effects in therapeutic doses.

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