

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 :

C₈H₁₅NaO₂

Molecular weight:

166.20

Characteristics

A white or almost white crystalline powder

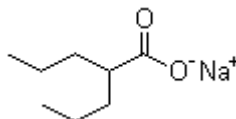
Identification

Positive

Acidity And Alkalinity

≤0.75ml0.1MNaOH or 0.1M HCl

Clarity and Colour of Solution ≤Reference SuspensionII≤Y6



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

APPEARANCE	white powder
CONTENT	98.0% min

Microbiological Test

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

ATC code	N03AG01
PubChem	14047
ChemSpider	13428

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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