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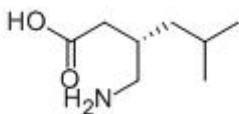
Site: www.tnjchem.com

## Technical Data Sheet

# Pregabalin

### Product Information

Chemical Name	Pregabalin
CAS #	148553-50-8
EINECS	200-659-6
Formula	C <sub>8</sub> H <sub>17</sub> NO <sub>2</sub>
Molecular Weight	159.23
Synonyms	(3S)-3-(AMINOMETHYL)-5-METHYLHEXANOIC ACID
Chemical Structure	



### Description

Pregabalin is a white powder and it is popularly developed as an effective drug to treat epilepsy. It has anticonvulsant effects, and it is especially for the treatment of peripheral neuropathic pain, or adjuvant treatment of partial seizures.

### Physical Properties

Pregabalin is soluble in ethanol, acetic acid, ethyl ester, chloroform and toluene but almost insoluble in water. Also, this drug is a kind of material that easily absorbs moisture.

### Specification

Appearance	White to off-white powder
Identification	A. Meets the requirement
IR:	Similar to Reference Substance
Loss on drying	≤0.5%
Specific rotation	+10.0°~ +13.0°
Related substances	
Any single impurity	≤0.1%
Total impurity	≤0.8%

Purity by HPLC	
R-isomer	≤0.15%
Residue on ignition	≤0.1%
Residual solvents	
Isopropyl alcohol	≤5000ppm
Ethyl Acetate	≤5000ppm
Heavy metals	≤10ppm
Chlorides	≤0.05%
Assay, %(G.C.)	98%~ 102.0%
Particle size	
50µm≤d(4.3)	≤150µm 108.223
D(0.9)	≤350µm 304.080

### Safety

In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison centre. It is common goods on transportation; Always refer to the Material Safety Data Sheet (MSDS)

### Applications

Pregabalin is an anticonvulsant drug used for neuropathic pain and as an adjunct therapy for partial seizures with or without secondary generalization in adults. It has also been found effective for generalized anxiety disorder and is approved for this use in the European Union. It was designed as a more potent successor to gabapentin.

### Packaging

25kg per fiber drum

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