



## **p-Tyrosol (auroI)**

**p-Tyrosol, auroI, 4-(2-hydroxyethyl)-phenol** is synthetic structural analogue of the main active ingredient herb *Rhodiola rosea* L. (*Rodiola rosea* or Golden root). **p-Tyrosol** refers to low-toxic, highly biologically active substances and manifests in low doses expressed stimulating and adaptogenic properties.

**p-Tyrosol** known as a prophylactic treatment of viral diseases as a stimulator of the body's defense capabilities in the chemical, biological and physical effects as a drug for the treatment of patients with schizophrenia, neurosis, cancer, skin diseases, adrenal disorders of the thyroid, thymus glands and increased activity of the gonads. **p-Tyrosol** exhibits cardioprotective effect in stress myocardial lesions, has a pronounced adaptogenic action, used for rearing animals and birds. As a powerful **p-Tyrosol** is used to prevent public health from effects of stress on the human organism.

**p-Tyrosol** is a white crystalline powder with a melting point 92°C and pleasant smell, stable during long-term storage.

In N.N.Vorozhtsov Novosibirsk Institute of Organic Chemistry of Siberian Branch of Russian Academy of Sciences a new process was developed for obtaining 4-(2-hydroxyethyl)-phenol of high purity (not less than 99.5%), suitable for intravenous administration in an aqueous solution of the patient's organism, suffering from congestive heart failure in order to reduce damage to the heart muscle.

**The main advantages of this method are the safe production, use of available domestic raw materials, high purity product, allowing treatment of acute manifestations of the disease doses 40-50 times greater than preventive.**

### **PATENT PROTECTIVE**

Patent (RU) No. 2385858 «A method of preparation 4-(2-hydroxyethyl)-phenol in high purity».

### **FIELDS of APPLICATION**

**p-Tyrosol is adaptogen of a wide spectrum of action and can be used as:**

- A preparation to fight the socially dangerous diseases,
- A preparation to reduce road accidents by increasing attention and speed of responses from drivers of vehicles,
- A treatment for drug addiction,
- A preparation of increasing the productivity of animal husbandry.

### **POTENTIAL CUSTOMERS**

1. Preserving medicine.
2. Therapeutic medicine (For companies producing dosage forms)
3. Veterinary for increasing productivity and reduce mortality in animals and birds.

## **LEVEL of PRACTICAL IMPLEMENTATION**

In pilot plant of N.N.Vorozhtsov Novosibirsk Institute of Organic Chemistry of Siberian Branch of Russian Academy of Sciences was developed technological rules and other necessary documentation for production of p-Tyrosol, were obtained pilot batches. Successfully completed testing of pilot batches of p-Tyrosol in livestock and poultry. Clinical trials of p-Tyrosol held for treatment of cardiovascular diseases.

## **COMMERCIAL OFFERS**

- Search for partners to release dosage forms.
- Organization of joint industrial production.

### **CONTACT:**

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