

Nandrolone phenylpropionate Basic information	
Common hormone Properties Pharmacological effects Pharmacokinetics Indications Function and ApplicationAdverse reactions Drug Interactions Precautions	
Product Name:	Nandrolone phenylpropionate
Synonyms:	NANDROLONE PHENPROPIONATE;NANDROLONE PHENYLPROPIONATE;NANDROLONI PHENYLPROPIONAS;17-(1-oxo-3-phenylpropoxy)estr-4-en-3-one;17-beta-hydroxyestr-4-en-3-one hydrocinnamate;17-beta-hydroxy-estr-4-en-3-onhydrocinnamate;17-beta-hydroxy-estr-4-ene-3-on3-phenylpropionate;17-beta-Hydroxy-estra-4-en-3-one, 17-phenylpropionate
CAS:	62-90-8
MF:	C27H34O3
MW:	406.56
EINECS:	200-551-9
Product Categories:	Steroids;Intermediates & Fine Chemicals;Pharmaceuticals;Steroid and Hormone;API;nandrolone series;Hormone Drugs
Mol File:	62-90-8.mol
Nandrolone phenylpropionate Chemical Properties	
mp	85-87°C
storage temp.	Controlled Substance, -20 C Freezer
CAS DataBase Reference	62-90-8(CAS DataBase Reference)
NIST Chemistry Reference	4-Androstene-17-beta-ol-3-one, 19-nor-delta-, phenylpropionate(62-90-8)
Safety Information	
Hazard Codes	Xn
Risk Statements	20/21/22-40
Safety Statements	23-36
MSDS Information	
Nandrolone phenylpropionate Usage And Synthesis	
Common	Nandrolone Phenylpropionate is a commonly used hormone for promoting the

hormone	<p>synthesis metabolism of protein. It is produced by the esterification reaction between 19-nor-testosterone and phenylpropionyl chloride. Its dosage type is oily injection through intramuscular injection for administration. It can promote the protein synthesis as well as the savings of calcium, phosphorus, and potassium for treating severe osteoporosis, premature children, growth retardation, dwarfism, and severe malnutrition; it can also be used for inoperable breast cancer, dysfunctional uterine bleeding, and uterine muscle aneurysm. However, this product has a slightly masculine role which is not suitable for not long-term use; patients of prostate cancer, hypertension and pregnant women is disabled; patients of heart, liver and kidney dysfunction should take with caution.</p>
Properties	<p>It is white or white crystalline powder with special smell. Its melting point is 95 ~ 99 °C and relative density is 1.14g/cm³, [α]_{D20 + 48} ~ + 51 °C (dioxane). It is soluble in alcohol, tea oil, slightly soluble in vegetable oil but almost insoluble in water.</p>
Pharmacological effects	<p>This anabolic effect of this product is 12 times as high as testosterone propionate but has a relative small androgenic which is only 1.5 times as high as the latter one. It can promote protein synthesis and inhibit protein gluconeogenesis, and can also promote the deposition of calcium and phosphorus and the growth of bone tissue growth. Its effect of intramuscular injection can be maintained for 1 to 2 weeks.</p> <p>The above information is edited by the Chemicalbook of Dai Xiongfeng.</p>
Pharmacokinetics	<p>Metabolism: hormone is mainly excreted in the urine with most part existing in the form of conjugate. However, the hormones in feces are mainly excreted in its free form while the major metabolized product of Nandrolone Phenylpropionate and nor-androstenediol in the urine is mainly 19-nor -androsterone (19-NA).</p>
Indications	<p>In the field of dermatology, it is mainly applied as an adjuvant treatment method for treating the negative nitrogen balance caused by high dose of corticosteroids, while increasing the protein in food; it is also used for treating exfoliative dermatitis, pemphigus, dermatomyositis, scleroderma, and senile pruritus. In addition, it can also be used for treating severe burns, malignant tumor before and after surgery, refractory fractures and severe osteoporosis, premature children, significant growth retardation, dwarfism, severe malnutrition, loss of appetite, diarrhea and other serious chronic wasting diseases. In the mean time of other treatments, the product can be administered. It can also alleviate the symptoms of inoperable breast cancer. It is also suitable to be applied to functional uterine bleeding, and uterine fibroids.</p>
Function and Application	<p>It is kind of anabolic hormones whose major effects include promoting protein synthesis, inhibiting protein degradation, promoting muscle growth, promoting weight increase, further retaining water, sodium, calcium, and phosphorus. It is clinically mainly used for treating the cases of lack of enough protein synthesis and increased protein decomposition such as malnutrition, stunted children, severe burns, post-operative recovery period, refractory fractures, osteoporosis in the elderly and chronic wasting disease (such as chronic kidney disease, malignant tumor, hyperthyroidism and anemia); also used for treating the negative nitrogen balance caused by long-term frequent use of glucocorticoids. However, at the mean time of administration, it is also necessary to increase the protein content contained in the</p>

	food. This product has a unique foul smell; it is almost insoluble in water but soluble in ethanol and fatty oil.
Adverse reactions	It has slightly masculine effect. After women's administration of it, some cases such as hirsutism, acne, thicker sound, clitoral hypertrophy, amenorrhea, or menstrual disorders can occur. In these cases, the administration of this drug should be discontinued immediately. Long-term use can cause jaundice and liver dysfunction, and may also cause edema due to sodium retention.
Drug Interactions	<ol style="list-style-type: none"> 1. Using it in combination with oral anticoagulant drug can improve the efficacy of the latter one and increase the tendency of increased bleeding. 2. Anabolic steroids can reduce glucose tolerance; diabetic patients should pay attention to adjust the dose insulin or orally administrated amount of hypoglycemic medicine during the treatment. 3. Others are the same as methyltestosterone.
Precautions	<ol style="list-style-type: none"> 1. Patients of liver disease, kidney disease, hypertension, prostate cancer, breast cancer and pregnant women should be disabled. 2. It should not be used in healthy children. 3. Patient of benign prostatic hypertrophy, myocardial infarction or with history of coronary artery disease should take with caution. 4. This product is prohibited as long-term nutritional products used in healthy people. 5. During the medication period, patients should increase the uptake of nutrition, especially protein. 6. It demands deep intramuscular injection.
Chemical Properties	White to Off-White Solid
Usage	Anabolic Steroid.
Nandrolone phenylpropionate Preparation Products And Raw materials	