

Catalog	Unit
TBI3489-5MG	5 mg
TBI3489-25MG	25 mg

Product Details

Formal Name: (3 α ,5 α)-3-Hydroxy-pregnan-20-one

Alternate Names: (3 α ,5 α)-Tetrahydroprogesterone; 3-OH-DHP

Molecular Formula: C₂₁H₃₄O₂

Formula Weight: 318.49

CAS Number: 516-54-1

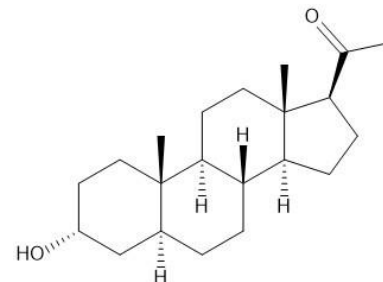
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 32 mg/ml) or in Ethanol (up to 32 mg/ml)

Storage: -20°C

Stability: \geq 2 years.



Applications

GABA-A positive allosteric modulator

Functions

Endogenous neurosteroid which acts as a positive allosteric modulator of GABAA receptors. Recently FDA approved (Brexanolone) for postpartum depression. Inhibits TLR4 receptor activation and inflammatory signaling in macrophages and brain. Inhibits glutamate release and displays neuroprotective effects in various animal models.

Application Procedures

First dissolved in DMSO (up to 32 mg/ml) or in Ethanol (up to 32 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 month.

For research use only.