

Product Name	: Pregnenolone acetate
Synonyms	: 3 β -Hydroxy-5-pregnen-20-one acetate
Cat No.	: M23794
CAS Number	: 1778-02-5
Molecular Formula	: C ₂₃ H ₃₄ O ₃
Formula Weight	: 358.5
Chemical Name	: —
Description	Pregnenolone acetate is a powerful neurosteroid, the main precursor of various steroid hormones including steroid ketones. It acts as a signaling-specific inhibitor of cannabinoid CB1 receptor, inhibits the effects of tetrahydrocannabinol (THC) that are mediated by the CB1 receptors. It can protect the brain from cannabis intoxication.
Pathway	: GPCR/G Protein
Target	: Cannabinoid Receptor
Receptor	: CB1; Human Endogenous Metabolite
Solubility	: DMSO: Insoluble; Water: Insoluble
SMILES	: <chem>CC([C@H]1CC[C@@]2([H])[C@]3([H])CC=C4C[C@@H](OC(C)=O)CC[C@]4(C)[C@@]3([H])CC[C@]12C)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Vallée M, et al. Pregnenolone can protect the brain from cannabis intoxication. Science. 2014 Jan 3;343(6166):94-8.