Agrisera

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS04 041S

THP | Allopregnanolone steroid standard

Product information

Background	**Allopregnanolone**, (3alpha-hydroxy-20-oxo-5alphapregnan-11alpha-yl-carboxymethylether), also known as **3alpha,5alpha-tetrahydroprogesterone** or **THP**, a neuroactive steroid secreted by the mammalian ovary, exerts its anesthetic, anxiolytic, and sedative/hypnotic effects through potentiation of GABA A receptors. It is produced in the human corpus luteum and their release is stimulated by trophic hormone.
Format	Lyophilized
Quantity	10 mg
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. Protect from light. Can be stored for 1 month at 4°C in a sealed tube or flask.
Tested applications	Radioimmunoassay (RIA)
Related products	AS04 041 | anti-allopregnanolone antibody
Additional information	Allopregnanolone standard is made under GMP conditions and thus has the purity standards required for human usage in clinical trials. Produced by Umecrine AB.

Application information

Additional information	The lyophilized powder of this standard is not soluble in water. Standard dissolving instruction: • Use ethanol (99.5 %) or methanol to prepare a concentrated (stock) solution of THP standard. This solution can be stored for longer time in a sealed tube. • Working solution can be used daily but needs to be changed after one month. • Working solution is used to prepare standard points 0-200 pg. It needs to be dried under nitrogen before it is diluted in water based soltion, otherwise the steroid will oxidase. • Following dyring, water based solution can be added to this standard.
Selected references	Lee at al. (2014). Progesterone and allopregnanolone improve stroke outcome in male mice via distinct mechanisms but neither promotes neurogenesis. J of Neurochemistry, DOI: 10.1111/jnc.12990.