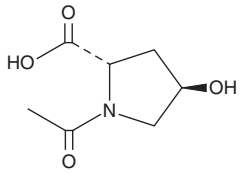
PRODUCT INFORMATION

Oxaceprol

Item No. 46278

CAS Registry No.: 33996-33-7
Formal Name: 1-acetyl-4R-hydroxy-L-proline
MF: $C_7H_{11}NO_4$
FW: 173.2
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Oxaceprol is supplied as a solid. A stock solution may be made by dissolving the oxaceprol in the solvent of choice, which should be purged with an inert gas. Oxaceprol is slightly soluble (0.1-1 mg/ml) in ethanol and sparingly soluble (1-10 mg/ml) in DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of oxaceprol can be prepared by directly dissolving the solid in aqueous buffers. Oxaceprol is slightly soluble (0.1-1 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Oxaceprol is an anti-inflammatory agent.[1,2] It does not decrease prostaglandin E_2 (PGE_2; Item No. 14010) or leukotriene C_4 (LTC_4; Item No. 20210) levels in isolated mouse peritoneal macrophages at 10 µM.[1] Oxaceprol inhibits carrageenan-induced paw edema and yeast-induced hyperalgesia in rats and reduces synovial proliferation and pannus granulocyte infiltration in the knee joint in a rat model of adjuvant-induced arthritis.

References

1. Ionac, M., Parnham, M.J., Plauchithiu, M., *et al*. Oxaceprol, an atypical inhibitor of inflammation and joint damage. *Pharmacol. Res*. **33(6)**, 367-373 (1996).
2. Parnham, M.J. Antirheumatic agents and leukocyte pecruitment. *Biochem. Pharmacol*. **58(2)**, 209-215 (1999).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

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