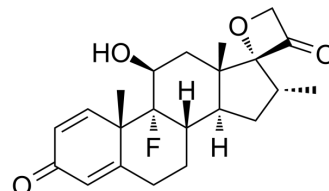


Dexamethasone oxetanone

| | |
|--------------------|---|
| Cat. No.: | HY-147220 |
| CAS No.: | 4089-36-5 |
| Molecular Formula: | C ₂₂ H ₂₇ FO ₄ |
| Molecular Weight: | 374.45 |
| Target: | Progesterone Receptor |
| Pathway: | Others |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

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|--------------------|--|
| Description | Dexamethasone oxetanone (Dex-Ox), a derivative of the glucocorticoid-selective steroid Dexamethasone (Dex), is an antiglucocorticoid. Dexamethasone oxetanone is an antiprogestin with significant agonist activity with progesterone receptor (PR) A and B isoforms ^{[1][2]} . |
| In Vitro | Dexamethasone oxetanone (1 μM) exhibits significant quantities of agonist activity with transfected PR in CV-1 cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

- [1]. D Gagne, et al. Analysis of the relation between receptor binding affinity and antagonist efficacy of antiglucocorticoids. *J Steroid Biochem.* 1986 Sep;25(3):315-22.
- [2]. G Giannoukos, et al. New antiprogestins with partial agonist activity: potential selective progesterone receptor modulators (SPRMs) and probes for receptor- and coregulator-induced changes in progesterone receptor induction properties. *Mol Endocrinol.* 2001 Feb;15(2):255-70.

Caution: Product has not been fully validated for medical applications. For research use only.

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