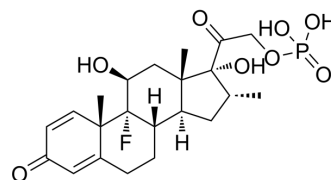


Dexamethasone phosphate

Cat. No.:	HY-B1829
CAS No.:	312-93-6
Molecular Formula:	C ₂₂ H ₃₀ FO ₈ P
Molecular Weight:	472.44
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dexamethasone phosphate (Dexamethasone 21-phosphate) is a biologically inactive compound which undergoes dephosphorylation by intra-erythrocyte enzymes. The active metabolite, dexamethasone, is then released into the circulation by simple passive diffusion through cell membranes. Dexamethasone phosphate-encapsulated erythrocyte has the potential for steroid-dependent ulcerative colitis research^[1].

CUSTOMER VALIDATION

- Nat Commun. 2021 Dec 9;12(1):7162.
- MedComm. 2023 Jun 5;4(3):e293.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Fabrizio Bossa, et al. Erythrocytes-mediated delivery of dexamethasone 21-phosphate in steroid-dependent ulcerative colitis: a randomized, double-blind Sham-controlled study. *Inflamm Bowel Dis*. 2013 Aug;19(9):1872-9.

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

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