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Incorporation of the ring carbon of histidine into coenzymes of folylpolyglutamates.

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In vivo effect of folic acid on fragile-site expression.

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IX. ANTIFOLATES

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Warner JC, Wong GSK, Yoon C, Shih C 987

Molecular modeling studies on deazatetrahydrofolates.

Shih C, Grindey GB, Moran RG, Taylor EC, Harrington PM 995

Biochemical pharmacology of deazatetrahydrofolates.

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Cross AD, Wildman D, Grindey GB 1001

Synthesis and evaluation of 1-deaza-7,8-dihydropteridines and ring
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Temple CG 1009

In vitro and *in vivo* activity of the GAR transformylase inhibitor 5-deazacyclo-
tetrahydrofolate.

Smith GK, Banks SD, Bigham EC, Cohn NK, Duch DS, Edelstein MP,
Ferone R, Hanlon MH, Heath LS, Humphreys J, Kelley JL, Knick V,
McLean EW, Mullin RJ, Singer S, Wilson HR, Houghton J 1015

In vitro and *in vivo* studies with 2-desamino-2-CH₃-N¹⁰-propargyl-5,8-
dideazafolate (ICI 198583), an inhibitor of thymidylate synthase.

Jackman AL, Newell DR, Jodrell DI, Taylor GA, Bishop JAM,
Hughes LR, Calvert AH 1023

Comparative studies on the activity of methotrexate and the analog
10-ethyl-10-deaza-aminopterin (10-EdAM) against head and neck
carcinoma cell lines and xenografts.

Braakhuis BJM, van Dongen GAMS, Brown DH, Snow GB, Peters GJ 1027

Transport of 5,10-dideazatetrahydrofolic acid (DDATHF) in CCRF-CEM
sensitive and methotrexate resistant cell lines.

Pizzomo G, Moroson BA, Cashmore AR, Cross AD, Beardsley GP 1031

Synthesis and structure-activity relationship studies of 5,10-
dideazatetrahydrofolic acid (DDATHF).

Shih C, Grindey GB, Gossett LS, Moran RG, Taylor EC, Harrington PM 1035

Synthesis and antifolate properties of 5-alkyl-5-deazaaminopterin analogues
modified in the 10-position.

Piper JR, Montgomery JA, Sirotak FM 1039

Synthesis and biological evaluation of 2-desamino-2-methyl-5,10-
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Patil SD, Kisliuk RL, Gaumont Y, Nair MG 1043

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Membrane transport characteristics of the thymidylate synthase inhibitor 2-desamino-2-methyl-N ¹⁰ -propargyl-5,8-dideazafolic acid. Jansen G, Schomagel JH, Westerhof GR, Rijkse G, Newell DR, Jackman AL	1056
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<i>In vitro</i> and <i>in vivo</i> metabolism of 5-DACTHF, an acyclic tetrahydrofolate analog. Hanlon MH, Ferone R, Mullin RJ, Keith BR	1068
Measurement of retained thymidylate synthase (TS) inhibition by antifolates in whole cells <i>in vitro</i> . Taylor GA, Jackman AL, Balmano K, Calvert AH, Bishop JAM, Marshall PR, Hughes LR	1072
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Inhibition of <i>de novo</i> purine synthesis by deazatetrahydrofolates. Moran RG, Baldwin SW, Shih C, Taylor EC	1080

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Mechanisms underlying methotrexate inactivity in human head and neck cancer xenografts. Braakhuis BJM, van Dongen GAMS, Snow GB, Peters GJ, Leyva A, Jansen G	1119
Design and synthesis of novel methotrexate derivatives for antibody directed drug targeting. Khan TH, Garnett MC, Baldwin RW	1123
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Folate enhancement of antifolate synergism in lymphoma cells. Gaumont Y, Kisliuk RL, Emkey R, Piper JR, Nair MG	1131
Amino acid oxidation and dihydrofolate reductase inactivation photosensitized by a diaminopteridine. Aubailly M, Santus R, Valla A	1137
Synchronisation of U937 and SW626 cancer cell lines of human origin using methotrexate. Sen S, Erba E, D'Incalci M	1141
New inhibitors of plasmodial folate synthesis - comparison of cell-free, whole cell and <i>in vivo</i> activities for single drugs and drug combinations. Wiese M, Kansy M, Kunz B, Schaper KJ, Seydel JK, Walter R, Chandra S	1145
Effect of vincristine on methotrexate cytotoxicity and accumulation in MCF-7 cells, a human breast cancer cell line. Mandelbaum-Shavit F	1150
The γ -tetrazole analog of methotrexate: design, synthesis and biological activity. Kalman TI, Jones CS, Yawman AM, Russel CA, McGuire JJ	1154
Effect of intravenous 24 hr infusions of methotrexate on unconjugated pteridine metabolism. Dhondt JL, Hayte JM, Millot F, Mazingue F, Dupriez B, Farriaux JP	1158
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Fluoroglutamate-containing folates and antifols: probing the role of polyglutamylation <i>in vitro</i> . Coward JK, McGuire JJ, Galivan J	1198
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Homologous membrane folate binding proteins in human placenta. Ratnam M, McAlinden TP, Bullerjahn AME, Smith PL, Marquardt H, Duhring JL, Freisheim JH	1262
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Interaction of N-hydroxy(sulfo)succinimide active esters with the reduced folate/methotrexate transport system from human CCRF-CEM leukemia cells. Jansen G, Westerhof GR, Kathmann GAM, Schomagel JH, Rijkssen G	1272
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Methotrexate- and folate-lipid conjugates of defined chemical structures as new antifolate analogs and transport probes. Knepper T, Przybylski M, Ahlers M, Ringsdorf H	1280
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