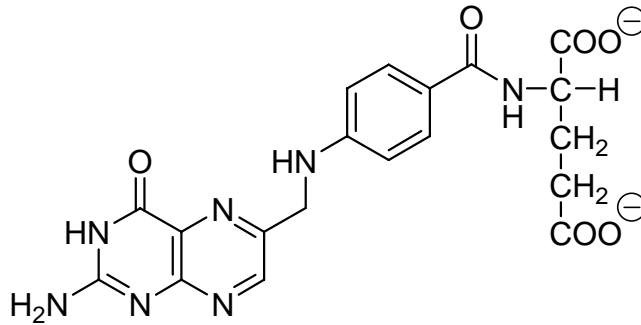


Kellogg's Product 19[®]

CHEM-643 Intermediary Metabolism
Written by Harold B. White



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In the next week, Jane and her husband consulted with a number of people and organizations about what they should do. Together they agreed to continue the pregnancy. At the suggestion of a genetic counselor, Jane's plasma methylmalonic acid and homocysteine levels were analyzed and found to be 0.12 and 8.7 $\mu\text{mol/L}$, respectively.

How might methylmalonic acid and homocysteine be related to neural tube defects?

In a subsequent pregnancy, would Jane's risk of having another child with spina bifida be reduced significantly by supplementing her diet with folic acid?