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The function of phospholipase A₂ in the metabolism of membrane lipids

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Abstract

The phospholipase-2 inhibitor, p-bromophenacyl bromide, has been shown to inhibit strongly the elongation of endogenous fatty acids in preparations of brain mitochondria and microsomes. On the other hand, it does not inhibit the elongation of added palmitic or linoleic acids. The implication is that the normal first step in alteration of membrane lipid fatty acids is their release to other membrane-bound enzyme systems by a membrane-bound phospholipase A.



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