

Fosfolipasas: aspectos estructurales y función biológica

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Hoy está ampliamente reconocido que, además de su papel como bloques de construcción de membrana y fuentes de energía, los lípidos desempeñan un papel clave en la señalización intracelular y la comunicación extracelular. Una señalización lipídica desregulada contribuye a una amplia gama de enfermedades, incluyendo enfermedades cardiovasculares y degenerativas, y el cáncer. Muchos lípidos bioactivos son generados por fosfolipasas, que son enzimas que hidrolizan los enlaces de éster presentes en los fosfolípidos. Ya que hay cuatro enlaces éster diferentes en los fosfolípidos, existen cuatro clases principales de fosfolipasas, llamadas A, B, C y D, que se distinguen por el tipo de reacción que catalizan...

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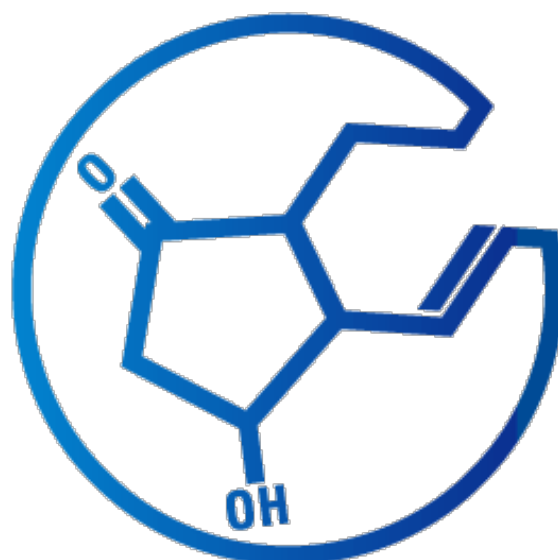
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