sphingosine 1-phosphate + H2O => sphingosine + orthophosphate [cytosolic - PPAP]

D'Eustachio, P., Hannun, YA., Jassal, B., Luberto, C.
Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references


Reactome database release: 82

This document contains 1 reaction (see Table of Contents)

https://reactome.org
sphingosine 1-phosphate + H2O => sphingosine + orthophosphate [cytosolic - PPAP]

Stable identifier: R-HSA-428696

Type: transition

Compartments: cytosol, plasma membrane

PPAP2A, B, and C (phosphatidate phosphohydrolase type 2A, B, and C) enzymes associated with the plasma membrane catalyze the hydrolysis of cytosolic sphingosine 1-phosphate to form sphingosine and orthophosphate (Roberts et al 1998).

Literature references


Editions

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