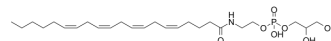


## Glycerophospho-N-arachidonoyl ethanolamine

Cat. No.:	HY-W127407
CAS No.:	201738-25-2
Molecular Formula:	C <sub>25</sub> H <sub>44</sub> NO <sub>7</sub> P
Molecular Weight:	501.59
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Glycerophospho-N-Arachidonoyl Ethanolamine is a N-acylated ethanolamines (NAEs). Most NAEs are naturally occurring lipids with diverse biological activities. Different types of NAE can be derived from glycerophosphate-linked precursors through the activity of glycerophosphodiesterase 1 (GDE1). Glycerophosphate-N-Arachidonoyl Ethanolamine is the precursor of Anandamide (AEA), also known as Anandamide. AEA is an endocannabinoid neurotransmitter that binds to central cannabinoid (CB1) and peripheral cannabinoid (CB2) receptors. It inhibits the specific binding of [3H]-HU-243 to synaptosomal membranes with a Ki value of 52 nM compared to 46 nM for  $\delta$ 9-THC.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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