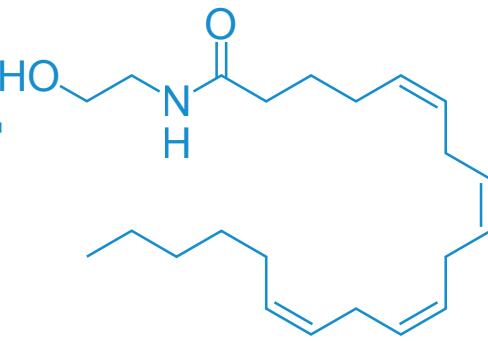


NeuroAEA™

ANANDAMIDE



NeuroAEA™ is a first-to-market proprietary Anandamide (AEA) fatty acid neurotransmitter stack that may include N-arachidonylethanolamine, β -caryophyllene, kaempferol, vanilloids (capsaicin, vanillin) and myristicin, CBGA, sabinene & phenylpropanoids.

Anandamide (N-arachidonylethanolamine) is a key Fatty Acid Neurotransmitter (endocannabinoid) derived from the non-oxidative metabolism of eicosatetraenoic acid, an essential Omega-6 Fatty Acid. Anandamide acts as an endogenous ligand of CB1 receptors and provides an important regulatory control of 5-HT (2a) system functions. Anandamide has a very short "half life" due to degradation from fatty acid amide hydrolase (FAAH). Our use of terpenes, myristicin, vanilloids, etc., inhibits FAAH degradation and helps to extend the NeuroAEA™ experience.

Fatty Acid	Structure
Anandamide/ AEA N-arachidonylethanolamine	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid. The chain starts with a methyl group, followed by a series of hydrocarbon segments (represented by zig-zag lines) and double bonds, indicating a polyunsaturated fatty acid.
2-(Palmitoylamino)ethanol C16:0	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (palmitoyl chain).
N-Stearoylethanolamine C18:0	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (stearoyl chain).
N-Oleoylethanolamine C18:1	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (oleoyl chain).
N-Linoleoylethanolamine C18:2	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (linoleoyl chain).
N-(2-Hydroxyethyl)docosanamide C22:0	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (docosyl chain).
N- γ -Linolenoylethanolamide C18:3	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (linolenoyl chain).
N-Arachidoylethanolamine C20:0	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (arachidoyl chain).
Myristic monoethanolamide C14:0	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (myristoyl chain).
N-palmitoleoylethanolamide C16:1	The structure shows a cyclohexene ring with a double bond at the 2-position. Attached to the 1-position is a long-chain fatty acid (palmitoleoyl chain).
C20:3	
C20:2	