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## Product Datasheet

### Synaptamide, CAS [[162758-94-3]]

### FBM-10-1194

Article Name	Synaptamide, CAS [[162758-94-3]]
Biozol Catalog Number	FBM-10-1194
Supplier Catalog Number	10-1194
Alternative Catalog Number	FBM-10-1194-5MG, FBM-10-1194-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Endogenous agonist at GPR110...
Molecular Weight	371.56
Purity	98% by TLC, NMR (Conforms)
Form	Colorless to yellow oil
CAS Number	[162758-94-3]
Formula	C <sub>24</sub> H <sub>37</sub> NO <sub>2</sub>
Application Notes	Anandamide-like lipid mediator produced from DHA in the brain. Stimulates neurite growth, synaptogenesis and glutamatergic synaptic activity in developing hippocampal neurons at 10-100 nM. <sup>1</sup> Potently induces neuronal differentiation of neural stem cells. <sup>2</sup> Promotes growth of cortical axons via modulation of hedgehog signaling. <sup>3</sup> Binds to and activates orphan receptor GPR110, stimulating cAMP production at low nM concentrations. <sup>4</sup> Reduces LPS-induced TNF $\alpha$ production in cultured microglia cells and ameliorates LPS-induced neuroinflammation in a mouse model. <sup>5</sup>