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Data Sheet

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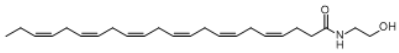
Product Name : Synaptamide
Cat. No. : PC-42077
CAS No. : 162758-94-3
Molecular Formula : $C_{24}H_{37}NO_2$
Molecular Weight : 371.5561
Target : Protein Kinase A (PKA)
Solubility : 10 mM in DMSO; Ethanol: 25 mg/mL



Biological Activity

An endogenous DHA metabolite that promotes neurite growth, synaptogenesis, and synaptic function both in vitro and in vivo; significantly increased the number of MAP2 and Tuj-1-positive neurons with concomitant induction of PKA/CREB phosphorylation at low nM; induces neuronal differentiation of NSCs.

References

Rashid MA, et al. J Neurochem. 2013 Jun;125(6):869-84.

Kim HY, et al. Prostaglandins Other Lipid Mediat. 2011 Nov;96(1-4):114-20.

Rashid MA, et al. Neuropharmacology. 2016 Mar;102:174-85.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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