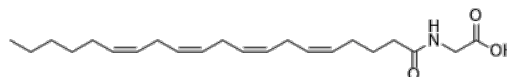


Product Name : N-arachidonylglycine
Cat. No. : PC-27609
CAS No. : 179113-91-8
Molecular Formula : C₂₂H₃₅NO₃
Molecular Weight : 361.53
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

N-Arachidonylglycine (NAGly, NA-Gly) is a carboxylic analog of the endocannabinoid anandamide (AEA) and endogenous ligand/agonist of GPR18 with EC₅₀ of 44.5 nM, also is a endogenous agonist of orphan G protein-coupled receptor GPR92 with EC₅₀ of 4.47 μM.

N-Arachidonylglycine is present in bovine and rat brain as well as other tissues and that it suppresses tonic inflammatory pain.

N-Arachidonylglycine is also a reversible and non-competitive inhibitor of glycine transport by GLYT2a, but has little effect on glycine transport by GLYT1b or gamma-amino butyric acid transport by GAT1.

References

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Huang SM, et al. J Biol Chem. 2001 Nov 16;276(46):42639-44.
Wiles AL, et al. J Neurochem. 2006 Nov;99(3):781-6.

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

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