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## DATASHEET

N-ArachidonylGABA

### Product overview

<b>Name</b>	N-ArachidonylGABA
<b>Cat No</b>	HB0856
<b>Alternative names</b>	NAGABA
<b>Purity</b>	>98%
<b>Description</b>	Arachidonyl amino acid

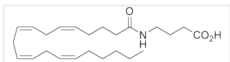
### Biological Data

<b>Biological description</b>	An endogenously produced arachidonyl amino acid. Thought to act through T-type calcium channels to show antinociceptive actions.
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### Solubility & Handling

<b>Storage instructions</b>	-20 °C (desiccate)
<b>Solubility overview</b>	Soluble in ethanol (5mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	4-[[[(5Z,8Z,11Z,14Z)-1-Oxo-5,8,11,14 -eicosatetraenyl]amino]butanoic acid
<b>Molecular Weight</b>	389.58
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>39</sub> NO <sub>3</sub>
<b>CAS Number</b>	128201-89-8
<b>PubChem identifier</b>	16759310
<b>SMILES</b>	CCCCC\C=C\C\C=C\C=C\C=C\C=C\C=C\CCCC(=O)NCCCC(O)=O
<b>InChiKey</b>	JKUDIEXTAYKJNX-DOFZRALJSA-N

### References

**Identification of a new class of molecules, the arachidonyl amino acids, and characterization of one member that inhibits pain.**

Huang SM *et al* (2001) J Biol Chem 276(46)  
**PubMedID** [11518719](#)

**T-type calcium channel inhibition underlies the analgesic effects of the endogenous lipoamino acids.**

Barbara G *et al* (2009) J Neurosci 29(42)  
**PubMedID** [19846698](#)

**Quantitative LC-MS/MS analysis of arachidonyl amino acids in mouse brain with treatment of FAAH inhibitor.**

