

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customer-care-usa@m2stage.hellobio.com



DATASHEET

N-ArachidonylGABA

Product overview

Name	N-ArachidonylGABA
Cat No	HB0856
Alternative names	NAGABA
Biological action	Other
Purity	>98%
Description	Arachidonyl amino acid

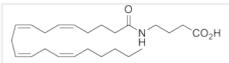
Biological Data

Biological description	An endogenously produced arachidonyl amino acid. Thought to act through T-type calcium channels to show antinociceptive actions.
-------------------------------	--

Solubility & Handling

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

Chemical Data

Chemical name	4-[[[(5Z,8Z,11Z,14Z)-1-Oxo-5,8,11,14 -eicosatetraenyl]amino]butanoic acid
Molecular Weight	389.58
Chemical structure	
Molecular Formula	C ₂₄ H ₃₉ NO ₃
CAS Number	128201-89-8
PubChem identifier	16759310
SMILES	CCCC\C=C/C\C=C/C\C=C/C\C=C/C/C=C/C(=O)NCCCC(O)=O
InChiKey	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 arachidonoyl amino acids in mouse brain with treatment of FAAH inhibitor.

Han B *et al* (2013) Anal Biochem 432(2)

PubMedID

[23044255](#)
