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DATASHEET

N-ArachidonylGABA

Product overview

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

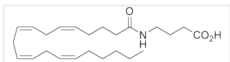
Biological Data

Biological description	An endogenously produced arachidonyl amino acid. Thought to act through T-type calcium channels to show antinociceptive actions.
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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\CCCC(=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 arachidonyl amino acids in mouse brain with treatment of FAAH inhibitor.

