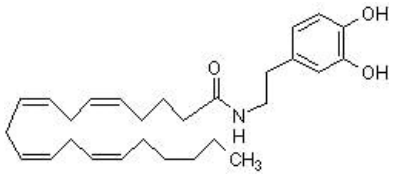
abcam

Product datasheet

NADA (N-Arachidonyldopamine), endogenous CB1 / TRPV1 agonist ab120099

1 References 2 Images

Overview

Product name	NADA (N-Arachidonyldopamine), endogenous CB1 / TRPV1 agonist
Description	Endogenous CB_1 / TRPV1 agonist
CAS Number	199875-69-9
Chemical structure	

Properties

Chemical name	(5*Z*,8*Z*,11*Z*,14*Z*)-*N*-(3,5-dihydroxyphenethyl)icosa-5,8,11,14-tetraenamide
Molecular weight	439.63
Molecular formula	$C_{28}H_{41}NO_3$
PubChem identifier	5282105
Storage instructions	Store at -20°C (desiccating conditions).
Solubility overview	Supplied in ethanol (5 mg/ml)
Handling	Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.
SMILES	Oc1ccc(CCNC(=O)CCC/C=CC/C=CC/C=CC/C=CCCCCC)cc1O
Source	Synthetic

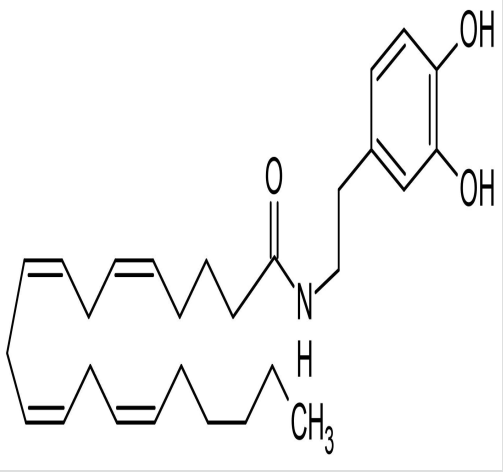
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab120099 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

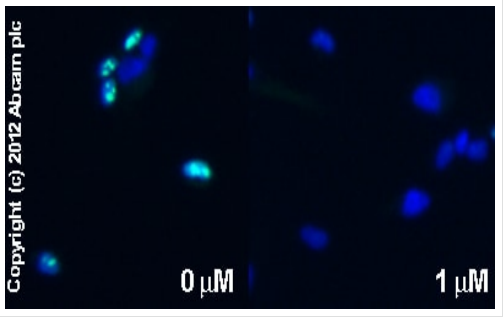
Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



Chemical Structure - NADA (N-Arachidonyldopamine), endogenous CB_1 / TRPV1 agonist (ab120099)

2D chemical structure image of ab120099, NADA (N-Arachidonyldopamine), endogenous CB1 / TRPV1 agonist



Immunocytochemistry/ Immunofluorescence - NADA (N-Arachidonyldopamine), endogenous CB1 / TRPV1 agonist (ab120099)

ab15580 staining Ki67 in SK-N-SH cells treated with NADA (N-Arachidonyldopamine) (ab120099), by ICC/IF. Decrease in Ki67 expression correlates with increased concentration of NADA (N-Arachidonyldopamine), as described in literature.
The cells were incubated at 37°C for 10 minutes in media containing different concentrations of ab120099 (NADA (N-Arachidonyldopamine)) in ethanol, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab15580** (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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