

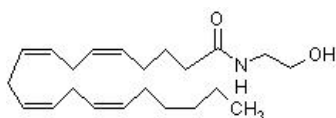
Product datasheet

Anandamide (ethanol solution), endogenous cannabinoid ab120087

3 References 2 Images

Overview

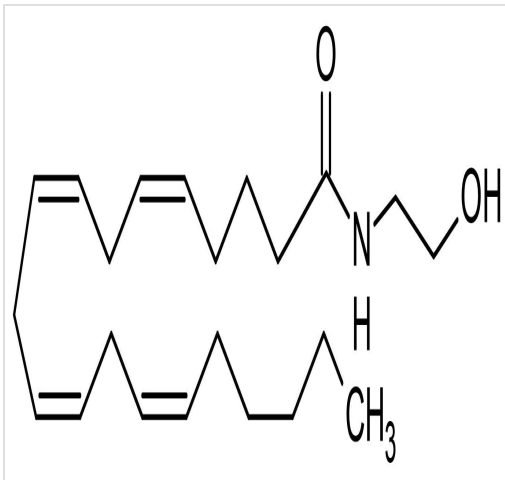
Product name	Anandamide (ethanol solution), endogenous cannabinoid
Description	Endogenous cannabinoid
Biological description	Endogenous cannabinoid, binding to CB ₁ , CB ₂ and vanilloid receptors. Cannabimimetic <i>in vivo</i> .
CAS Number	94421-68-8
Chemical structure	



Properties

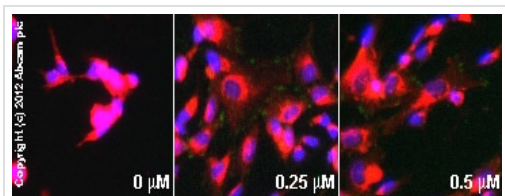
Chemical name	(5Z,8Z,11Z,14Z)-N-(2-Hydroxyethyl)icosa-5,8,11,14-tetraenamide
Molecular weight	347.54
Molecular formula	C ₂₂ H ₃₇ NO ₂
PubChem identifier	5281969
Storage instructions	Store at -20°C (desiccating conditions).
Solubility overview	Supplied in ethanol (5 mg/ml)
Handling	<p>Providing storage 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.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	O=C(CCC/C=CC/C=CC/C=CC/C=CCCCC)NCCO
Source	Synthetic

Images



Chemical Structure - Anandamide (ethanol solution), endogenous cannabinoid (ab120087)

2D chemical structure image of ab120087, Anandamide (ethanol solution), endogenous cannabinoid



Functional Studies - Anandamide (ethanol solution), endogenous cannabinoid (ab120087)

[ab81298](#) staining FAK (phospho Y397) in SK-N-SH cells treated with anandamide (ethanol solution) (ab120087), by ICC/IF. Increase in FAK (phospho Y397) expression correlates with increased concentration of anandamide (ethanol solution), as described in literature.

The cells were incubated at 37°C for 10 minutes in media containing different concentrations of ab120087 (anandamide (ethanol solution)) in ethanol, fixed with 100% methanol for 5 minutes at -20°C 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 [ab81298](#) (5 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. Membranes are stained in red with WGA.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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