Anandamide

Endogenous CB_1 receptor ligand

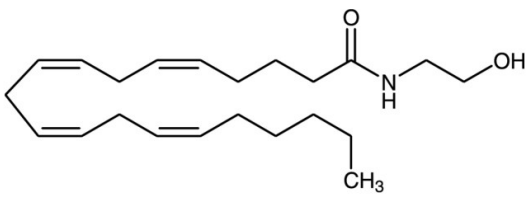
Endogenous [1] ligand for the CB_1 receptor (CB_1: K_i=52nm; CB_2: K_i =1930nm [2]) and TRPV1 (K_i=5.78μM [3,4]). Inhibits NF-κB activation through direct binding to IKKβ [5] and induces apoptosis independently of cannabinoid or vanilloid receptors [6]. Activates the MAP kinase (MAPK/ERK) signalling pathway [7].

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BML-FA017-0005	5mg
BML-FA017-0025	25mg

Manuals, SDS & CofA View Online »


O
N
H
OH
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, under an inert atmosphere at -80°C.
Handling	Protect from light and oxygen. Keep under inert gas.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	AEA, N-Arachidonoylethanolamine, (all-Z)-N-(2-Hydroxyethyl)-5,8,11,14-eicosatetraenamide
Appearance	Colorless oil.
CAS	94421-68-8
Couple Target	Cannabinoid receptor, IKK, MAPK, TRP channel
Couple Type	Activator, Inhibitor, Ligand
Formula	$C_{22}H_{37}NO_2$
MI	**14:** 624
MW	347.54
Purity	≥98% (TLC)
Solubility	Soluble in ethanol (e.g. at a concentration of 50 mg/ml). It is also soluble in DMSO and dimethyl formamide.

Last modified: May 29, 2024

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