AM-404

Anandamide transport inhibitor

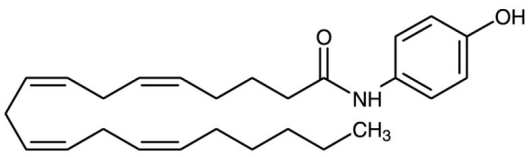
Analog of anandamide (Prod. No. BML-FA017). Potentiates the activity of endogenous anandamide by blocking its re-uptake into presynaptic membranes. Activates TRPV1 (EC_{50}=0.04μM) at concentrations lower than those required to inhibit anandamide transport into the cell (neuronal (C6 glioma cells): IC_{50}=10μM; non-neuronal (rat RBL-2H3 cells): IC_{50} =11μM). Low affinity to FAAH (IC_{50}=5.9μM), to CB_1 receptor (IC_{50} =1.76μM) and to CB_2 receptor (IC_{50}>1μM).

Citations: 12 View Online »

Ordering Information Order Online »

BML-CR106-0050	50mg

Manuals, SDS & CofA View Online »


OH
O
NH
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to one year after receipt when stored at -20°C. Solutions are stable for up to 3 months when stored at -20°C under an inert atmosphere of nitrogen or argon.
Handling	Protect from air. Keep under inert gas.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	N-(4-Hydroxyphenyl)-5Z,8Z,11Z,14Z-eicosatetraenamide, N-(4-Hydroxyphenyl)arachidonoylamide
Appearance	Waxy solid.
CAS	183718-77-6
Couple Target	Anandamide transporter, TRP channel
Couple Type	Activator, Inhibitor
Formula	$C_{26}H_{37}NO_2$
MW	395.6
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (>25mg/ml) or 100% ethanol (>25mg/ml).

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