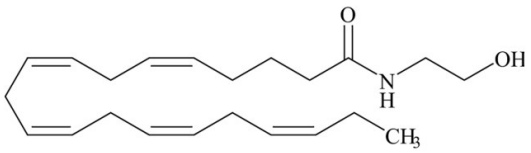
Eicosapentaenoyl ethanolamide

Has been shown to inhibit dietary-restriction-induced lifespan extension in wild-type and TOR pathway mutant nematodes. This data indicates that reduced N-acylethanolamide signaling mediates some of the effect of dietary-restriction-induced lifespan extension and that EPEA, specifically, acts as a metabolic signal that couples nutrient availability with growth and lifespan. EPEA has also been shown to have anti-proliferative effects and anti-inflammatory properties. Compound is subject to oxidation. Protect from air.

Citations: 3 View Online »

Manuals, SDS & CofA View Online »


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OH
N
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CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least one year after receipt when stored at -20°C. Solutions can be stored at -20°C for up to 3 months.
Handling	Protect from air.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	EPEA
Appearance	Pale amber oil.
CAS	109001-03-8
Formula	$C_{22}H_{35}NO_2$
MW	345.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (20mg/ml) or in 100% ethanol (25mg/ml).
Source	Synthetic.

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