N-Arachidonoyl-serotonin

TRPV1 antagonist

Unnatural fatty acid-neurotransmitter conjugate. Potent TRPV1 antagonist (IC_{50}=40nM). Inhibits fatty acid amide hydrolase (FAAH) (IC_{50}=5.6mM). Enhances levels of anandamide and 2-AG *in vivo*. Displays analgesic activity in both acute and chronic peripheral pain models but shows little efficacy in an inflammatory bowel disease model.

Citations: 4 View Online »

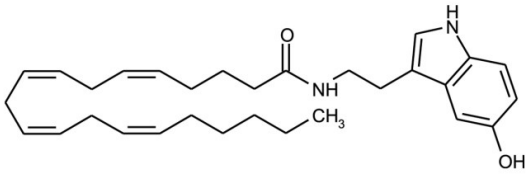
Ordering Information

Order Online »

BML-VR106-0010	10mg

Manuals, SDS & CofA

View Online »


O
NH
H
N
CH3
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Handling	Protect from air.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pale yellow oil.
CAS	187947-37-1
Couple Target	FAAH, TRP channel
Couple Type	Blocker, Inhibitor
Formula	$C_{30}H_{42}N_2O_2$
MW	462.7
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25mg/ml), 100% ethanol (15mg/ml) or dimethyl formamide (30mg/ml); also soluble in PBS, pH 7.2 (290µg/ml).

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