Methyl Arachidonyl Fluorophosphonate

Phospholipase inhibitor

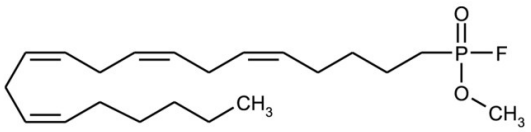
Selective, active-site directed, irreversible inhibitor of $cPLA_2$ (IC_{50}=5μM) and Ca^{2+}-independent $iPLA_2$ (IC_{50}=0.5μM). Potent, irreversible inhibitor of fatty acid amide hydrolase (FAAH) (IC_{50}=2.5nM), 800 -fold more potent than $AACOCF_3$ (Prod. No. BML-ST335)). Irriversible CB_1 receptor antagonist in rat brain membrane (IC_{50}=20nM).

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BML-ST360-0005	5mg
BML-ST360-0025	25mg

Manuals, SDS & CofA View Online »


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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 at -80°C. Stock solutions are stable for up to 2 months at -20°C.
Handling	Protect from air.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	MAFP, Methylphosphonofluoridic acid 5,8,11,14-eicosatetraenyl ester
Appearance	Colorless to yellow oil.
CAS	188404-10-6
Couple Target	Cannabinoid receptor, FAAH, Phospholipase, PLA
Couple Type	Inhibitor
Formula	$C_{21}H_{36}FO_2P$
MW	370.5
Purity	≥98% (TLC)
Solubility	Soluble in 100% ethanol (50mg/ml) or DMSO (50mg/ml).

Last modified: May 29, 2024

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