AACOCF3

Inhibitor of PLA_2 and FAAH

$AACOCF_3$ is a trifluoromethylketone derivative of arachidonic acid. It is a selective inhibitor of human cytosolic PLA_2 and Ca^{2+}-independent PLA_2 ($iPLA_2$, IC_{50}=15 μM). It is active in intact platelets and U937 cells (IC_{50}=8 μM). It also inhibits fatty acid amide hydrolase (100% at 7.5 μM).

Citations: 11 View Online »

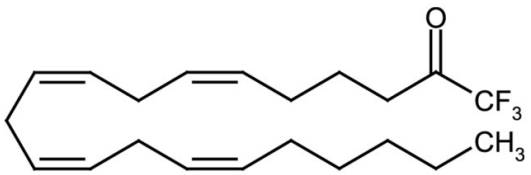
Ordering Information

Order Online »

BML-ST335-0010	10mg
BML-ST335-0050	50mg

Manuals, SDS & CofA

View Online »


O
CF3
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Solutions are stable for up to 1 month when stored under nitrogen or argon in tightly sealed container at -80°C.
Handling	Protect from air. Dissolve in solvent purged with nitrogen or argon. Store under nitrogen or argon in tightly sealed container.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Yellow oil.
CAS	149301-79-1
Couple Target	FAAH, Phospholipase, PLA
Couple Type	Inhibitor
Formula	$C_{21}H_{31}F_3O$
Identity	Determined by NMR.
MW	356.5
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (>25mg/ml) or 100% ethanol (>25mg/ml).

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