

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Methyl Arachidonyl Fluorophosphonate</b> Phospholipase Inhibitor [MAFP; Methylphosphonofluoridic acid 5,8,11,14- eicosatetraenyl ester], C <sub>21</sub> H <sub>36</sub> FO <sub>2</sub> P, M.W. 370.5, CAS# [188404-10-6]
<b>PRODUCT NUMBER:</b>	M-1249
<b>LOT NUMBER:</b>	C1046
<b>APPEARANCE:</b>	Yellow oil
<b>SOLUBILITY:</b>	Soluble in 100% ethanol (50mg/ml) or DMSO (50mg/ml).
<b>PURITY (TLC):</b>	≥98%
<b>DESCRIPTION:</b>	Selective, active-site directed, irreversible inhibitor of cPLA <sub>2</sub> (IC <sub>50</sub> = 5μM) and Ca <sup>2+</sup> -independent iPLA <sub>2</sub> (IC <sub>50</sub> = 0.5μM). Potent, irreversible inhibitor of fatty acid amide hydrolase (FAAH) (IC <sub>50</sub> = 2.5nM), 800 -fold more potent than AACOCF <sub>3</sub> . Irreversible CB <sub>1</sub> receptor antagonist in rat brain membrane (IC <sub>50</sub> = 20nM).
<b>STORAGE &amp; HANDLING:</b>	Store at -20°C. Stock solutions are stable for up to 2 months at -20°C. <b>PROTECT FROM AIR!</b>

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD