

CERTIFICATE OF ANALYSIS

PRODUCT:	MAFP Phospholipase Inhibitor [Methyl Arachidonyl Fluorophosphonate; Methylphosphonofluoridic acid 5,8,11,14- eicosatetraenyl ester] C ₂₁ H ₃₆ FO ₂ P, M.W. 370.5, CAS# [188404-10-6]
PRODUCT NUMBER:	M-1247
LOT NUMBER:	C1239
APPEARANCE:	Colorless to light yellow oil
SOLUBILITY:	Soluble in ethanol (50mg/ml) or DMSO (50mg/ml).
PURITY (TLC):	>98%
NMR:	Conforms
DESCRIPTION:	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 (IC ₅₀ = 2.5nM), 800 -fold more potent than AACOCF ₃ . Irreversible CB ₁ receptor antagonist in rat brain membrane (IC ₅₀ = 20nM). Cell permeable.
STORAGE & HANDLING:	Store desiccated at -20°C. Stock solutions are stable for up to 2 months at -20°C. Stored under argon gas. PROTECT FROM AIR! 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: **KS**