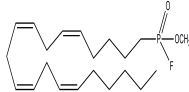


PRODUCT: EZSolution™ MAFP**ALTERNATE NAME:** (5Z,8Z,11Z,14Z)-5,8,11,14-eicosatetraenyl-methyl ester phosphonofluoridic acid**CATALOG #:** 2811-5**AMOUNT:** 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₃₆FO₂P**MOLECULAR WEIGHT:** 370.49**CAS NUMBER:** 188404-10-6**APPEARANCE:** Liquid**FORMULATION:** In methyl acetate**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** MAFP is a potent inhibitor of fatty acid amide hydrolase (FAAH) (IC₅₀ = 2.5 nM). MAFP also binds to the CB₁ receptor in rat brain membrane preparations (IC₅₀ = 20 nM). MAFP also acts as a selective, active-site directed, irreversible inhibitor of cPLA₂ and iPLA₂. It inhibits A23187-induced arachidonic acid release from human platelets with an IC₅₀ value of 0.6 μM. The IC₅₀ value for inhibition of iPLA₂ from P388D1 cells is 0.5 μM.**REFERENCES:** Deutsch, D.G., *et al.* (1997). *Biochem. Pharmacol.* **53**, 255-260.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**FAAH Inhibitor, PF-622 (**Cat. No. 1928-5, 25**)JNJ-1661010 (**Cat. No. 2413-5, 25**)PAF-AH Inhibitor Screening kit (**Cat. No. K766-100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**