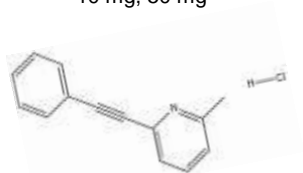


PRODUCT: MPEP hydrochloride**ALTERNATE NAME:** 2-Methyl-6-(phenylethynyl)pyridine hydrochloride**CATALOG #:** B1151-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₄H₁₁N.HCl**MOLECULAR WEIGHT:** 229.71**CAS NUMBER:** 219911-35-0**APPEARANCE:** White Solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture

DESCRIPTION: MPEP hydrochloride is a highly selective and potent non-competitive antagonist at the mGlu5 (metabotropic glutamate receptor subtype 5) receptor subtype (IC₅₀ = 36 nM). It is a positive allosteric modulator at mGlu4. MPEP hydrochloride reduces DHPG (S-3, 5-dihydroxyphenylglycine)-induced excitations but not the excitations induced by AMPA (-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid). In vivo studies show it reverses mechanical hyperalgesia in the inflamed rat hind paw.

REFERENCES: Gasparini, F., *et.al.* (1999). *Neuropharmacology*, **38**, 1493-1503

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:ADX-47273 (**9562**)LY-341495 (**2875**)VU0361737 (**9418**)VU0364439 (**2815**)**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*