

Product Data Sheet

Product Name: MPPG TFA

Cat. No.: GC79305

Chemical Properties

Cas. No.

Formula $C_{11}H_{13}F_3NO_7P$

M.Wt 359.19

Solubility

Storage Store at -20°C, away from moisture

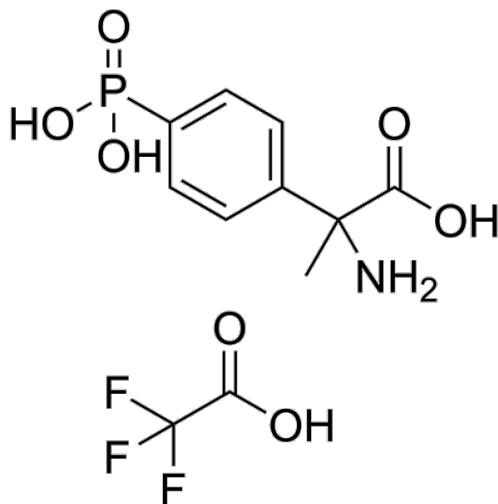
General tips

For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition

Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

MPPG TFA, phenylglycine analogue, is a potent and selective metabotropic glutamate receptor (mGluR) antagonist with a K_D value of 9.2 μ M. MPPG TFA antagonizes both L-AP4- and (1 S,3S)-ACPD-induced depressions of the monosynaptic excitation [1].

In Vitro, MPPG (200 μ M; 15 min) TFA antagonizes both L-AP4- and (1 S,3S)-ACPD-induced depressions of the monosynaptic excitation of neonatal rat motoneurons [1].

References:

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Jane DE, et al. New phenylglycine derivatives with potent and selective antagonist activity at presynaptic glutamate receptors in neonatal rat spinal cord. *Neuropharmacology*. 1995;34(8):851-856.

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