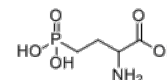


Product Name : L-AP4
Cat. No. : PC-62985
CAS No. : 23052-81-5
Molecular Formula : C₄H₁₀NO₅P
Molecular Weight : 183.1
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

L-AP4 is a selective **group III metabotropic glutamate receptor** agonist with EC₅₀s of 0.13, 0.29, 1.0, 249 μM for mGlu₄, mGlu₈, mGlu₆ and mGlu₇ receptors, respectively.

L-AP4 significantly increases the paw withdrawal threshold in response to application of von Frey filaments in eight nerve-ligated rats in a dose-dependent manner.

L-AP4 significantly inhibits the evoked response of neurons to touch, pressure, pinch, and von Frey filaments in a concentration-dependent fashion.

References

Evans RH, et al. *Br J Pharmacol.* 1982 Jan;75(1):65-75.

Bushell TJ, et al. *Neuropharmacology.* 1995 Feb;34(2):239-41.

Tones MA, et al. *Neuroreport.* 1995 Dec 29;7(1):117-20.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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