Product Name: LY341495
CAS No.: 201943-63-7
Cat. No.: HY-70059
MWt: 353.37
Formula: C20H19NO5
Purity: >98%
Solubility: 10 mM in DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: mGluR

Biological Activity:
LY341495 is a highly potent and selective group II metabotropic glutamate receptor antagonist. (Ki/IC50 values are 2.3, 1.3, 173, 990, 6800, 8200 and 22000 nM for human mGlu2, mGlu3, mGlu8, mGlu7a, mGlu1a, mGlu5a and mGlu4a receptors respectively).
IC50 Value: 2.9 nM (for mGluR-2, human); 10 nM (for mGluR-3, human); 170 nM (for mGluR-8, human)
Target: mGluR
in vitro: LY341495 was micromolar potent in antagonizing quisqualate-induced phosphoinositide (PI) hydrolysis, with IC50 values of 7.8 and 8.2 microM for mGlu1a and mGlu5a receptors, respectively. Among the human group III mGlu receptors, the most potent inhibition of L-2-amino-4-phosphonobutyric acid (L-AP4) responses was seen for LY341495 at mGlu8, with an IC50 of 0.17 microM. LY341495 was less potent at mGlu7 (IC50 = 0.99 microM) and least potent at mGlu4 (IC50 = 22 microM). LY341495 competitively antagonizes...

References:
[5]. Bespalov AY, et al. Behavioral characterization of the mGlu group II/III receptor antagonist, LY-341495, in animal m...

Caution: Not fully tested. For research purposes only

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