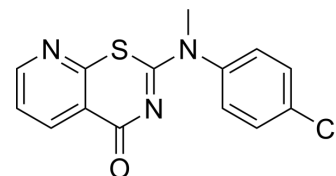


## YM928

Cat. No.:	HY-118814
CAS No.:	190842-36-5
Molecular Formula:	C <sub>14</sub> H <sub>10</sub> ClN <sub>3</sub> OS
Molecular Weight:	303.77
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

## Description

YM928 is an orally active and noncompetitive  $\alpha$ -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor antagonist. YM928 inhibits AMPA receptor-mediated toxicity in primary rat hippocampal cultures with an IC<sub>50</sub> value of 2  $\mu$ M. YM928 blocks AMPA-induced intracellular calcium influx with an IC<sub>50</sub> value of 3  $\mu$ M and antagonizes AMPA-induced inward currents with an IC<sub>50</sub> value of 1  $\mu$ M. YM928 is promising for research of neurological disorders<sup>[1]</sup>.

## REFERENCES

[1]. Ohno K, et al. Functional characterization of YM928, a novel moncompetitive alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor antagonist. J Pharmacol Exp Ther. 2003 Jul;306(1):66-72.

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

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