Product Data Sheet

Product Name: Tezampanel
CAS No.: 154652-83-2
Cat. No.: HY-75704
MWt: 279.34
Formula: C13H21N5O2
Purity: >98%

Solubility: DMSO

Mechanisms: Pathways: Membrane Transporter/Ion Channel; Target: AMPAR
Pathways: Neuronal Signaling; Target: AMPAR

Biological Activity:
Tezampanel (LY293558) is an antagonist at the AMPA and kainate families of ionotropic glutamate receptors, with selectivity for the GluR5 subtype of the kainate receptor.
IC50 value: Target: AMPAR
Tezampanel has neuroprotective and anticonvulsant effects. The neuroprotective actions may, at least in part, occur by blocking calcium uptake into neurons. Tezampanel has a range of effects which may be useful for medicinal purposes, as well as its applications in scientific research. It suppresses both the withdrawal symptoms from morphine and other opioids, and the development of tolerance, as well as having antihyperalgesic and analgesic effects in its own right. It also has anxiolytic effects in animal studies and has been suggested as a candidate for the treatment of anxiety in humans. From Wikipedia....

References:
[5]. Sang CN, et al....

Caution: Not fully tested. For research purposes only

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