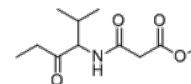


Product Name : ZLc002
Cat. No. : PC-35678
CAS No. : 308277-46-5
Molecular Formula : C₁₀H₁₇NO₅
Molecular Weight : 231.248
Target : Nitric Oxide Synthase (NOS)
Solubility : 10 mM in DMSO



Biological Activity

ZLc002 (ZLc-002) is a putative small-molecule inhibitor of **nNOS** interaction with **NOS1AP**, disrupts neuronal nitric oxide synthase-NOS1AP interaction in intact cells.

ZLc002 exhibits anxiolytic-like efficacy in a mouse model of chronic mild stress without altering appetite, general activity, or locomotor activity or interfering with the resting potential of neurons.

ZLc002 also inhibits co-immunoprecipitation of NOS1AP with nNOS in hippocampal cells.

ZLc002 suppresses inflammatory nociception and chemotherapy-induced neuropathic pain and synergizes with paclitaxel to reduce tumor cell viability.

ZLc002 suppresses formalin-evoked inflammatory pain in rats and reduced Fos protein-like immunoreactivity in the lumbar spinal dorsal horn (4-10 mg/kg i.p.).

References

Lee WH, et al. *Mol Pain*. 2018 Jan-Dec;14:1744806918801224.

Zhu LJ, et al. *Nat Med*. 2014 Sep;20(9):1050-4.

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

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