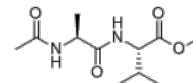


Product Name : ZZL-7
Cat. No. : PC-49447
CAS No. : 99141-91-0
Molecular Formula : C₁₁H₂₀N₂O₄
Molecular Weight : 244.291
Target : Nitric Oxide Synthase (NOS)
Solubility : 10 mM in DMSO



Biological Activity

ZZL-7 (Ac-Ala-Val-OMe) is a small molecule inhibitor of **SERT-nNOS** interaction, induces a fast-onset antidepressant effect by enhancing serotonin signaling in forebrain circuits.

ZZL-7 disrupts the interaction between the serotonin transporter (SERT) and neuronal nitric oxide synthase (nNOS) in the dorsal raphe nucleus (DRN).

ZZL-7 elicited an antidepressant effect 2 hours after treatment without undesirable side effects in vivo.

References

Sun N, et al. *Science*. 2022 Oct 28;378(6618):390-398.

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

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