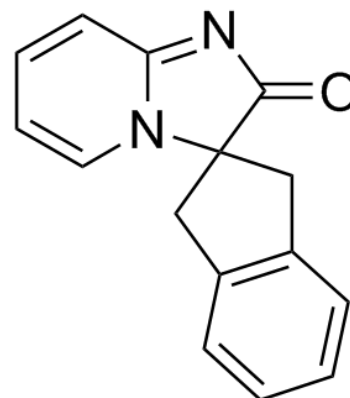


Product Name : ZSET1446
Cat. No. : PC-42788
CAS No. : 887603-94-3
Molecular Formula : C₁₅H₁₂N₂O
Molecular Weight : 236.2686
Target : nAChR
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

ZSET1446 (ST-101) is a small molecule cognitive enhancer that potentiates acetylcholine-mediated facilitation of inhibitory synaptic transmission in the hippocampal neurons.

ZSET1446 (ST-101) increases the extracellular ACh in the cortex and hippocampus and enhances nicotine-stimulated ACh release in the hippocampus in normal rats, without affecting nAChRs.

References

Yamaguchi Y, et al. *J Pharmacol Exp Ther.* 2006 Jun;317(3):1079-87.

Ito Y, et al. *J Pharmacol Exp Ther.* 2007 Feb;320(2):819-27.

Han F, et al. *J Pharmacol Exp Ther.* 2008 Jul;326(1):127-34.

Shioda N, et al. *J Pharmacol Exp Ther.* 2010 Apr;333(1):43-50.

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

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