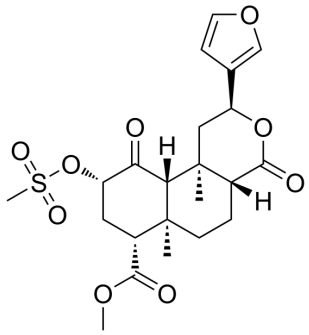
Mesyl Salvinorin B

Cat. No.:	HY-126910
CAS No.:	862073-79-8
Molecular Formula:	$C_{22}H_{28}O_9S$
Molecular Weight:	468.52
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mesyl Salvinorin B is a potent and selective kappa opioid receptor (KOP-r) agonist. Mesyl Salvinorin B prevents the ADE (Alcohol deprivation effect) in mice. Mesyl Salvinorin B dose-dependently reduces alcohol intake and preference in CED (chronic escalation drinking) mice[1][2].

In Vivo

Mesyl Salvinorin B (0.3, 1, 3 mg/kg; i.p.; once) prevents the ADE at 3 mg/kg in both male and female mice[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	8 weeks, Male and female adult C57BL/6J mice[1]
Dosage:	0.3, 1, 3 mg/kg
Administration:	I.p.; once
Result:	Showed less intake than the vehicle-treated ones in the ADE (Alcohol deprivation effect) session at 3 mg/kg.

REFERENCES

[1]. Zhou Y, et al. Effects of mesyl salvinorin B alone and in combination with naltrexone on alcohol deprivation effect in male and female mice. Neurosci Lett. 2018 Apr 23;673:19-23.

[2]. Zhou Y, et al. Synergistic blockade of alcohol escalation drinking in mice by a combination of novel kappa opioid receptor agonist Mesyl Salvinorin B and naltrexone. Brain Res. 2017 May 1;1662:75-86.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA