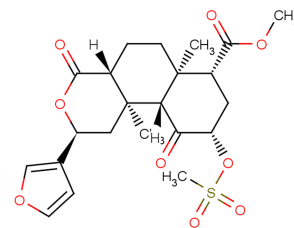


## Mesyl Salvinatorin B

## Chemical Properties

CAS No. :	862073-79-8
Formula:	C <sub>22</sub> H <sub>28</sub> O <sub>9</sub> S
Molecular Weight:	468.52
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Mesyl Salvinatorin B is a selective and potent full KOP receptor agonist. It acts by preventing cocaine-seeking and reducing excessive alcohol drinking via the KOP-r-mediated mechanism.
Targets(IC50)	Opioid Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1344 mL	10.6719 mL	21.3438 mL
5 mM	0.4269 mL	2.1344 mL	4.2688 mL
10 mM	0.2134 mL	1.0672 mL	2.1344 mL
50 mM	0.0427 mL	0.2134 mL	0.4269 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Zhou Y, Crowley R, Prisinzano T, Kreek MJ. Effects of mesyl salvinorin B alone and in combination with naltrexone on alcohol deprivation effect in male and female mice. *Neurosci Lett*. 2018 Feb 26;673:19-23. doi: 10.1016/j.neulet.2018.02.056. [Epub ahead of print] PubMed PMID: 29496608.

Zhou Y, Crowley RS, Ben K, Prisinzano TE, Kreek MJ. 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. doi: 10.1016/j.brainres.2017.02.027. Epub 2017 Mar 2. PubMed PMID: 28263712; PubMed Central PMCID: PMC5398281.

Simonson B, Morani AS, Ewald AW, Walker L, Kumar N, Simpson D, Miller JH, Prisinzano TE, Kivell BM. Pharmacology and anti-addiction effects of the novel  $\kappa$  opioid receptor agonist Mesyl Sal B, a potent and long-acting analogue of salvinorin A. *Br J Pharmacol*. 2015 Jan;172(2):515-31. doi: 10.1111/bph.12692. Epub 2014 Jul 1. PubMed PMID: 24641310; PubMed Central PMCID: PMC4292965.

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