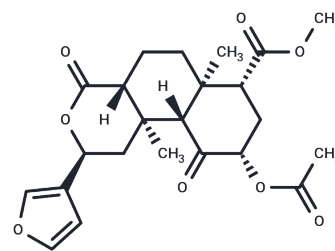


## Salvinorin A

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 83729-01-5                                               |
| Formula:          | C <sub>23</sub> H <sub>28</sub> O <sub>8</sub>           |
| Molecular Weight: | 432.46                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| Description                | Salvinorin A is a non-nitrogenous $\kappa$ -opioid selective agonist. |
| Targets(IC <sub>50</sub> ) | Opioid Receptor                                                       |

### Solubility Information

|            |                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 27.5 mg/mL (63.59 mM),<br>Ethanol: Soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3124 mL | 11.5618 mL | 23.1235 mL |
| 5 mM  | 0.4625 mL | 2.3124 mL  | 4.6247 mL  |
| 10 mM | 0.2312 mL | 1.1562 mL  | 2.3124 mL  |
| 50 mM | 0.0462 mL | 0.2312 mL  | 0.4625 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.

### Reference

Kivell BM, Paton KF, Kumar N, Morani AS, Culverhouse A, Shepherd A, Welsh SA, Biggerstaff A, Crowley RS, Prisinzano TE. Kappa Opioid Receptor Agonist Mesyl Sal B Attenuates Behavioral Sensitization to Cocaine with

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