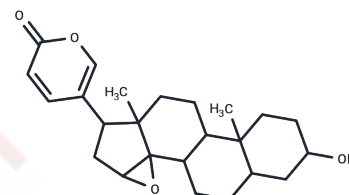


## Resibufogenin

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 465-39-4   |
| Formula:          | C <sub>24</sub> H <sub>32</sub> O <sub>4</sub>           |
| Molecular Weight: | 384.51   |
| Appearance:       | no data available  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |  |
|---------------|--|
| Description   | 1. Resibufogenin (Bufogenin) is a cytotoxic steroid isolated from the Chinese drug ChanSu. 2. Resibufogenin can inhibit rectifier potassium current ( I <sub>K</sub> ) and transient potassium current ( I <sub>A</sub> ), it has pathological effects on central nervous system. 3. Resibufogenin corrects hypertension in a rat model of human preeclampsia, it not only prevents the advent of hypertension and proteinuria, but also the development of intrauterine growth restriction.4. Resibufogenin's major metabolic pathway in the human liver is CYP3A4 dominantly mediated 5β-hydroxylation . |
| Targets(IC50) | Others   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 55 mg/mL (143.04 mM),Sonication is recommended.<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.6007 mL | 13.0036 mL | 26.0071 mL |
| 5 mM  | 0.5201 mL | 2.6007 mL  | 5.2014 mL  |
| 10 mM | 0.2601 mL | 1.3004 mL  | 2.6007 mL  |
| 50 mM | 0.052 mL  | 0.2601 mL  | 0.5201 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

Horvat D , Severson J , Uddin M N , et al. Resibufogenin Prevents the Manifestations of Preeclampsia in an Animal Model of the Syndrome[J]. Hypertension in Pregnancy, 2010, 29(1):1-9.

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