



# SZABO SCANDIC

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- Expressversand

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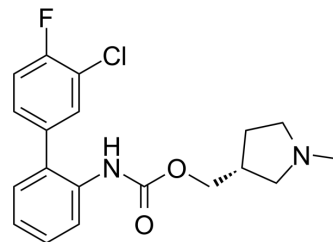
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## Velufenacin

|                    |                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-109196                                                                                                                                                                        |
| CAS No.:           | 1648737-78-3                                                                                                                                                                     |
| Molecular Formula: | C <sub>19</sub> H <sub>20</sub> ClFN <sub>2</sub> O <sub>2</sub>                                                                                                                 |
| Molecular Weight:  | 362.83                                                                                                                                                                           |
| Target:            | mAChR                                                                                                                                                                            |
| Pathway:           | GPCR/G Protein; Neuronal Signaling                                                                                                                                               |
| Storage:           | <div> <div>Powder</div> <div>-20°C    3 years</div> <div>4°C    2 years</div> </div> <div> <div>In solvent</div> <div>-80°C    6 months</div> <div>-20°C    1 month</div> </div> |



### SOLVENT & SOLUBILITY

|                                                                               |                                                                                                                                          |                                                      |           |            |            |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------|------------|------------|
| In Vitro                                                                      | DMSO : 100 mg/mL (275.61 mM; Need ultrasonic)                                                                                            |                                                      |           |            |            |
|                                                                               | Preparing Stock Solutions                                                                                                                | <div>Solvent<br/>Concentration</div> <div>Mass</div> | 1 mg      | 5 mg       | 10 mg      |
|                                                                               |                                                                                                                                          |                                                      |           |            |            |
|                                                                               |                                                                                                                                          | 1 mM                                                 | 2.7561 mL | 13.7806 mL | 27.5611 mL |
|                                                                               |                                                                                                                                          | 5 mM                                                 | 0.5512 mL | 2.7561 mL  | 5.5122 mL  |
|                                                                               |                                                                                                                                          | 10 mM                                                | 0.2756 mL | 1.3781 mL  | 2.7561 mL  |
| Please refer to the solubility information to select the appropriate solvent. |                                                                                                                                          |                                                      |           |            |            |
| In Vivo                                                                       | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 2.5 mg/mL (6.89 mM); Clear solution |                                                      |           |            |            |
|                                                                               | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (6.89 mM); Clear solution            |                                                      |           |            |            |
|                                                                               | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (6.89 mM); Clear solution                            |                                                      |           |            |            |
|                                                                               |                                                                                                                                          |                                                      |           |            |            |

### BIOLOGICAL ACTIVITY

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| Description | Velufenacin is a muscarinic receptor antagonist <sup>[1]</sup> . |
|-------------|------------------------------------------------------------------|

### REFERENCES

[1]. International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 33, No. 4, 2019.

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

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