

## Glucagon receptor antagonists-2

## Chemical Properties

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| CAS No.:          | 202917-18-8                                                            |
| Formula:          | C <sub>22</sub> H <sub>30</sub> FNO <sub>2</sub>                       |
| Molecular Weight: | 359.48                                                                 |
| Appearance:       | N/A                                                                    |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

## Biological Description

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| Description                | Glucagon receptor antagonist -2 is a highly effective glucagon receptor antagonist. |
| Targets(IC <sub>50</sub> ) | Others: None                                                                        |

## Solubility Information

|            |                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 16.67 mg/mL (46.37 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 2.782 mL | 13.909 mL | 27.818 mL |
| 5 mM  | 0.556 mL | 2.782 mL  | 5.564 mL  |
| 10 mM | 0.278 mL | 1.391 mL  | 2.782 mL  |
| 50 mM | 0.056 mL | 0.278 mL  | 0.556 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Ladouceur, Gaetan H. et al. Integration of optimized substituent patterns to produce highly potent 4-aryl-pyridine glucagon receptor antagonists. Bioorganic & Medicinal Chemistry Letters (2002), 12(23), 3421-3424.

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