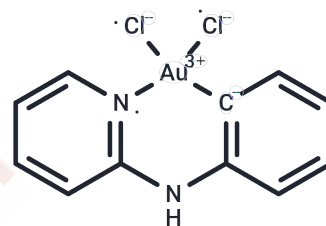


## AQP3-IN-1

## Chemical Properties

CAS No. :	198711-19-2
Formula:	C <sub>11</sub> H <sub>9</sub> AuCl <sub>2</sub> N <sub>2</sub>
Molecular Weight:	437.08
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	AQP3-IN-1 (compounds 3), an AQP3 inhibitor, exhibits an IC <sub>50</sub> of 8.91 μM and effectively inhibits melanoma cell proliferation [1].
Targets(IC <sub>50</sub> )	Aquaporin
In vitro	AQP3-IN-1 (compounds 3), at a concentration of 5 μM applied for 30 minutes, inhibits glycerol permeability in cells overexpressing AQP3 and in red blood cells, without affecting their water permeability [1]. Cell viability tests using MNT-1, A375, and HEK-293T cell lines at concentrations ranging from 2.5 to 10 μM over a 24-hour period showed no toxicity to MNT-1 and A375 cells, nor did it affect cell viability. Additionally, cell migration assays employing MNT-1 and A375 cells at a 5 μM concentration and incubation times of 0, 9, and 24 hours revealed inhibition of melanoma cell adhesion, proliferation, and migration [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2879 mL	11.4396 mL	22.8791 mL
5 mM	0.4576 mL	2.2879 mL	4.5758 mL
10 mM	0.2288 mL	1.144 mL	2.2879 mL
50 mM	0.0458 mL	0.2288 mL	0.4576 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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