

NB001

## Chemical Properties

CAS No.:	686301-48-4
Formula:	C <sub>12</sub> H <sub>20</sub> N <sub>6</sub> O
Molecular Weight:	264.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	NB001 is an inhibitor of adenylyl cyclase 1 (AC1). It has an effect on neural and non-neural pain by modulating AC1 activity.
Targets(IC <sub>50</sub> )	AC1: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.783 mL	18.916 mL	37.831 mL
5 mM	0.757 mL	3.783 mL	7.566 mL
10 mM	0.378 mL	1.892 mL	3.783 mL
50 mM	0.076 mL	0.378 mL	0.757 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. Min Zhuo. Method for treating neuronal and non-neuronal pain. US8124599B2.

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