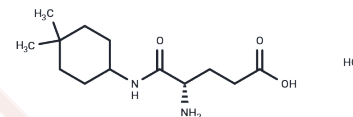


## Neboglamine hydrochloride

## Chemical Properties

CAS No. :	2759182-59-5
Formula:	C <sub>13</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	292.8
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	Neboglamine (CR-2249, XY-2401) hydrochloride, an orally active positive modulator of the NMDA receptor glycine site, can be used in schizophrenia research [1].
Targets(IC50)	NMDAR,iGluR
In vivo	In male Wistar rats, Neboglamine hydrochloride (20 mg/kg; subcutaneous injection) increased neuronal activity in brain regions, specifically in the prefrontal cortex (PFCX) from 38.5 to 121.3, nucleus accumbens (NAc) from 14.5 to 69.1, and lateral septal nucleus (LSN) from 16.2 to 73.1, with no effect on the dorsolateral striatum (DL-STR)[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4153 mL	17.0765 mL	34.153 mL
5 mM	0.6831 mL	3.4153 mL	6.8306 mL
10 mM	0.3415 mL	1.7077 mL	3.4153 mL
50 mM	0.0683 mL	0.3415 mL	0.6831 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.

## Reference

Riccardo Chiusaroli, et al. Antipsychotic-like effects of the N-methyl-D-aspartate receptor modulator neboglamine: an immunohistochemical and behavioural study in the rat. *Pharmacol Res.* 2010 May;61(5):430-6.

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