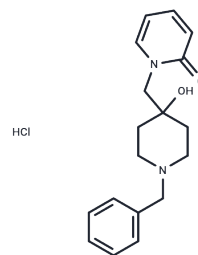


## Hypidone hydrochloride

## Chemical Properties

CAS No. :	1339058-04-6
Formula:	C <sub>18</sub> H <sub>23</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	334.84
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	Hypidone hydrochloride (YL0919) is a novel antidepressant candidate with dual activity as a 5-HT <sub>1A</sub> receptor agonist and a selective serotonin reuptake inhibitor.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Solubility Information

Solubility	DMSO: 30 mg/mL (89.6 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (5.97 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9865 mL	14.9325 mL	29.865 mL
5 mM	0.5973 mL	2.9865 mL	5.973 mL
10 mM	0.2987 mL	1.4933 mL	2.9865 mL
50 mM	0.0597 mL	0.2987 mL	0.5973 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

Chen HX, et al. PLoS One. 2013 Dec 18;8(12):e83271.

Qin, J. J. et al. Neuroscience letters 582, 104-108, 2014.09.2009

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