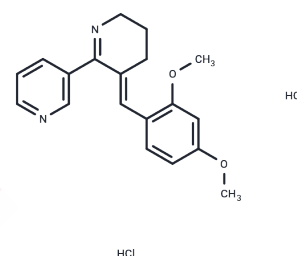


## GTS-21 dihydrochloride

## Chemical Properties

CAS No. :	156223-05-1
Formula:	C <sub>19</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub> ·2HCl
Molecular Weight:	381.30
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	GTS-21 dihydrochloride (DMBX-anabaseine) is a nAChRs agonist. nAChRs are neuron receptor proteins that activated by the binding of the neurotransmitter ACh.
Targets(IC50)	5-HT Receptor,AChR

## Solubility Information

Solubility	DMSO: 37.00 mg/mL (97.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.7 mg/mL (9.7 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (5.25 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	2.6226 mL	13.113 mL	26.2261 mL
5 mM	0.5245 mL	2.6226 mL	5.2452 mL
10 mM	0.2623 mL	1.3113 mL	2.6226 mL
50 mM	0.0525 mL	0.2623 mL	0.5245 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

Mol Med. 2014 Jun 19;20:238-47.

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