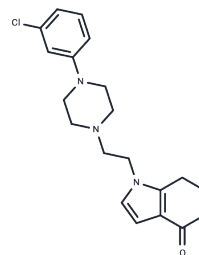


NEO 376

## Chemical Properties

CAS No. : 496921-73-4  
 Formula: C<sub>20</sub>H<sub>24</sub>ClN<sub>3</sub>O  
 Molecular Weight: 357.88  
 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	NEO 376 (SPI-376) is a selective 5-HT <sub>1</sub> receptor, GABA receptor and dopamine receptor modulator, showing anti-psychotic activity.
Targets(IC <sub>50</sub> )	5-HT Receptor, GABA Receptor, Dopamine Receptor

## Solubility Information

Solubility	DMSO: 45 mg/mL (125.74 mM), Heating to 60°C 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 (5.59 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	2.7942 mL	13.9712 mL	27.9423 mL
5 mM	0.5588 mL	2.7942 mL	5.5885 mL
10 mM	0.2794 mL	1.3971 mL	2.7942 mL
50 mM	0.0559 mL	0.2794 mL	0.5588 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

David B. Fick, et al. Tetrahydroindolone and purine derivatives linked to arylpiperazines. US 6770638 B2

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