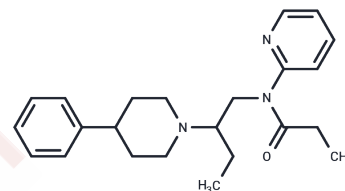


$\sigma$ 1 Receptor/ $\mu$  Opioid receptor modulator 2

## Chemical Properties

CAS No. : 3009018-61-2  
 Formula: C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O  
 Molecular Weight: 365.51  
 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	Compound 4x, also known as $\sigma$ 1 Receptor/ $\mu$ Opioid receptormodulator 2, acts as a $\mu$ OR agonist and a $\sigma$ 1R antagonist, exhibiting a potent $\mu$ OR EC <sub>50</sub> of 0.6 nM and strong $\sigma$ 1R inhibitory activity (K <sub>i</sub> : 363.7 nM). It demonstrates significant analgesic effects in various pain models.
Targets(IC <sub>50</sub> )	Opioid Receptor, Sigma receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7359 mL	13.6795 mL	27.359 mL
5 mM	0.5472 mL	2.7359 mL	5.4718 mL
10 mM	0.2736 mL	1.368 mL	2.7359 mL
50 mM	0.0547 mL	0.2736 mL	0.5472 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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