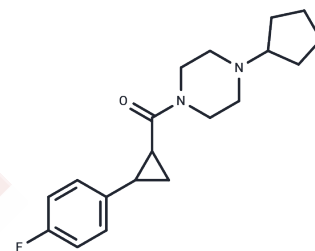


## H3R antagonist 6

## Chemical Properties

CAS No. : 2183338-59-0  
 Formula: C<sub>19</sub>H<sub>25</sub>N<sub>2</sub>O  
 Molecular Weight: 316.41  
 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	H3R antagonist 6 (Compounds 3) (H3-2406) is a histamine receptor 3 (H3R) antagonist with an IC <sub>50</sub> of 5.6 nM. The <sup>18</sup> F-labeled version exhibits high radiochemical yield, molar activity, and moderate brain uptake, although it shows off-target binding with the Sigma-1 receptor. It serves as a radioligand for positron emission tomography (PET) imaging in the study of central nervous system (CNS) diseases.
Targets(IC <sub>50</sub> )	Histamine Receptor, Sigma receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1605 mL	15.8023 mL	31.6046 mL
5 mM	0.6321 mL	3.1605 mL	6.3209 mL
10 mM	0.316 mL	1.5802 mL	3.1605 mL
50 mM	0.0632 mL	0.316 mL	0.6321 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

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