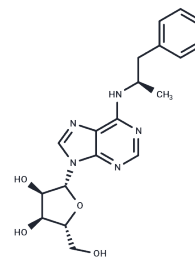


TH-162

## Chemical Properties

CAS No. : 38594-96-6  
 Formula: C<sub>19</sub>H<sub>23</sub>N<sub>5</sub>O<sub>4</sub>  
 Molecular Weight: 385.42  
 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	TH-162, also known as (R)-PIA and Adenosine, N-(1-methyl-2-phenylethyl)-, (R)-, is an agonist of the A1 adenosine receptor. Affinity for adenosine receptors is approx. 100× that of the (+)-isomer.
Targets(IC50)	Others, Adenosine Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5946 mL	12.9729 mL	25.9457 mL
5 mM	0.5189 mL	2.5946 mL	5.1891 mL
10 mM	0.2595 mL	1.2973 mL	2.5946 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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

Della Latta V, Cabiati M, Rocchiccioli S, Del Ry S, Morales MA. The role of the adenosinergic system in lung fibrosis. *Pharmacol Res.* 2013 Oct;76:182-9. doi: 10.1016/j.phrs.2013.08.004. Epub 2013 Aug 28. Review. PubMed PMID: 23994158.

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