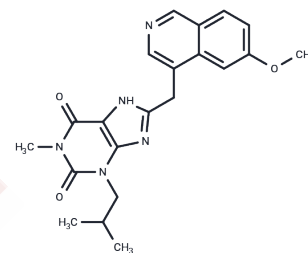


PDE5-IN-15

## Chemical Properties

CAS No. : 366444-83-9  
 Formula: C<sub>21</sub>H<sub>23</sub>N<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 393.44  
 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	PDE5-IN-15 (compound 21) is a xanthine derivative and PDE5 inhibitor with IC <sub>50</sub> values of 0.002 μM for hPDE5, 0.180 μM for bPDE6, 2.85 μM for bPDE1, and 2.22 μM for hPDE3. It exhibits good oral bioavailability in dogs and is applicable in research related to male erectile dysfunction.
Targets(IC <sub>50</sub> )	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5417 mL	12.7084 mL	25.4168 mL
5 mM	0.5083 mL	2.5417 mL	5.0834 mL
10 mM	0.2542 mL	1.2708 mL	2.5417 mL
50 mM	0.0508 mL	0.2542 mL	0.5083 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481