

T-1032

## Chemical Properties

CAS No. : 212500-03-3  
Formula: C32H31N3O11S  
Molecular Weight: 665.67  
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	T-1032 is a selective phosphodiesterase 5 (PDE5) inhibitor with an IC50 value of 1.0 nM. It induces relaxation in isolated rabbit corpus cavernosum and is applicable in the study of erectile dysfunction.
In vitro	T-1032 (Compound 63) demonstrates a relaxing effect on isolated rabbit corpus cavernosum, with an EC30 value of 7.9 nM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5022 mL	7.5112 mL	15.0225 mL
5 mM	0.3004 mL	1.5022 mL	3.0045 mL
10 mM	0.1502 mL	0.7511 mL	1.5022 mL
50 mM	0.030 mL	0.1502 mL	0.3004 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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