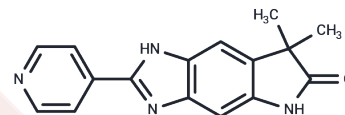


## Adibendan

## Chemical Properties

CAS No. :	100510-33-6
Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O
Molecular Weight:	278.31
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	Adibendan (Adibendanum) is a selective inhibitor of PDE3 with an IC <sub>50</sub> of 2.0 μM.
Targets(IC <sub>50</sub> )	PDE
In vitro	Adibendan exerted a concentration-dependent (0.03 -300 μM) positive inotropic effect in papillary muscles (EC <sub>50</sub> = 1.3 μM) which was only partially reversible. The IC <sub>50</sub> values for the inhibition of PDE1 or PDE2 were more than 60-fold higher[1].

## Solubility Information

Solubility	DMSO: 11 mg/mL (39.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5931 mL	17.9656 mL	35.9312 mL
5 mM	0.7186 mL	3.5931 mL	7.1862 mL
10 mM	0.3593 mL	1.7966 mL	3.5931 mL
50 mM	0.0719 mL	0.3593 mL	0.7186 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

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