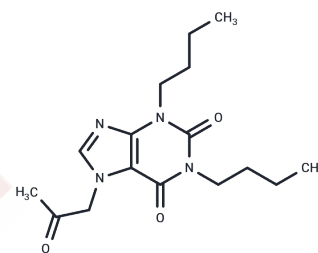


## Denbufylline

## Chemical Properties

CAS No. :	57076-71-8
Formula:	C <sub>16</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	320.39
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	Denbufylline (BRL 30892) is a phosphodiesterase-4 (PDE4) inhibitor. It blocks the degradation of intracellular cAMP (cyclic adenosine monophosphate), thereby increasing cAMP levels, which helps regulate various cellular functions. Denbufylline is used in research for chronic obstructive pulmonary disease (COPD), asthma, and other inflammatory conditions.
Targets(IC50)	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1212 mL	15.606 mL	31.212 mL
5 mM	0.6242 mL	3.1212 mL	6.2424 mL
10 mM	0.3121 mL	1.5606 mL	3.1212 mL
50 mM	0.0624 mL	0.3121 mL	0.6242 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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