# Data Sheet (Cat.No.T71300)



## Pentoxifylline-d6

### **Chemical Properties**

CAS No.: 1185879-03-1

Formula: C13H12D6N4O3

Molecular Weight: 284.34

Appearance: no data available

Storage: Powder -20°C for 3 years In solvent -80°C for 2 years

 $H_3C$  N N 2H 2H 2H 2H 2H

#### **Biological Description**

Description	Pentoxifylline-d6 is intended for use as an internal standard for the quantification of
.0.	pentoxifylline by GC- or LC-MS. Pentoxifylline is a hemorrheologic agent. It increases the
	deformability of washed isolated human erythrocytes when used at a concentration of
	100 μM. Pentoxifylline (1, 2, and 3 mM) inhibits ADP-induced platelet aggregation in
	isolated human whole blood. It inhibits thrombus formation induced by ADP in a
	hamster cheek pouch model when administered at doses of 5, 10, and 20 mg/kg.
	Formulations containing pentoxifylline have been used in the treatment of intermittent
	claudication.

## **Preparing Stock Solutions**

9	1mg	5mg	10mg	
1 mM	3.5169 mL	17.5846 mL	35.1692 mL	
5 mM	0.7034 mL	3.5169 mL	7.0338 mL	
10 mM	0.3517 mL	1.7585 mL	3.5169 mL	
50 mM	0.0703 mL	0.3517 mL	0.7034 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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