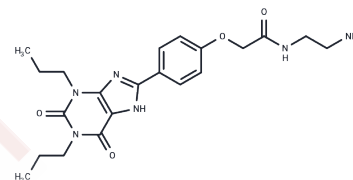


## Xanthine amine congener

## Chemical Properties

CAS No. :	96865-92-8
Formula:	C <sub>21</sub> H <sub>28</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:	428.48
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	Xanthine amine congener is an Adenosine receptor antagonist.
Targets(IC50)	Adenosine Receptor

## Solubility Information

Solubility	DMSO: 16.25 mg/mL (37.92 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	2.3338 mL	11.6692 mL	23.3383 mL
5 mM	0.4668 mL	2.3338 mL	4.6677 mL
10 mM	0.2334 mL	1.1669 mL	2.3338 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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

Churchill PC, et al. XAC, a functionalized congener of 1,3-dialkylxanthine, antagonizes A1 adenosine receptor-mediated inhibition of renin secretion in vitro. Arch Int Pharmacodyn Ther. 1987 Dec;290(2):293-301.

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