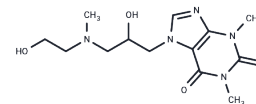


## Xanthinol Nicotinate

## Chemical Properties

CAS No. :	437-74-1
Formula:	C <sub>13</sub> H <sub>21</sub> N <sub>5</sub> O <sub>4</sub> .C <sub>6</sub> H <sub>5</sub> NO <sub>2</sub>
Molecular Weight:	434.45
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	Xanthinol Nicotinate (Complamin) is a potent vasodilator that can easily enter the cell and causes an increase in glucose metabolism resulting in an increased energy.
Targets(IC50)	Others,PDGFR

## Solubility Information

Solubility	H <sub>2</sub> O: 250 mg/mL (575.44 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	2.3018 mL	11.5088 mL	23.0176 mL
5 mM	0.4604 mL	2.3018 mL	4.6035 mL
10 mM	0.2302 mL	1.1509 mL	2.3018 mL
50 mM	0.046 mL	0.2302 mL	0.4604 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

- Davis E , Rozov H . Xanthinol nicotinate in peripheral vascular disease[J]. Practitioner, 1975, 215(1290):793-798.
- Huang, Lijun, Hu, et al. Inhibited proliferation of human umbilical artery smooth muscle cells by xanthinol nicotinate[J]. Medical and Biological Engineering and Computing: Journal of the International Federation for Medical and Biological Engineering, 2016.

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