

Product Data Sheet

Product Name: Xanthinol Nicotinate

Cat. No.: GC39674

Chemical Properties

Cas. No. 437-74-1

SMILES O=C(C1=CC=CN=C1)O.O=C(N2C)N(C)C3=C(N(CC(O)CN(CCO)C)C=N3)C2=O

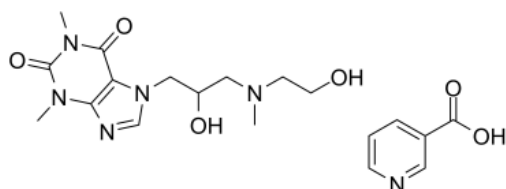
Formula $C_{19}H_{26}N_6O_6$ M.Wt 434.45

Solubility Water: 250 mg/mL (575.44 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Xanthinol Nicotinate (Xanthinol Niacinate), a vasodilator, can act directly on the smooth muscle of small arteries and capillaries. Xanthinol Nicotinate expands blood vessels, improves blood rheology and reduces peripheral vascular resistance[1][2].

[1]. Segers J, et al. Use of Xanthinol Nicotinate as a co-treatment for radio- and chemo-therapy in experimental tumors. Int J Cancer. 2010 Jan 15;126(2):583-8. [2]. Bai X, et al. Inhibited proliferation of human umbilical artery smooth muscle cells by xanthinol nicotinate. Med Biol Eng Comput. 2016

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Jun;54(6):891-8.

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