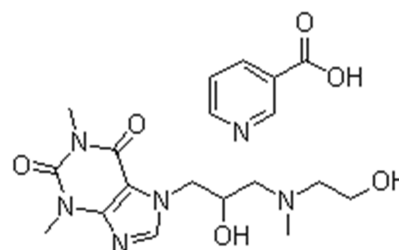


## TECHNICAL DATA SHEET

CODE XNT  
 CAS # 437-74-1  
 NAME XANTHINOL NICOTINATE  
 MOL FORM. C<sub>19</sub>H<sub>26</sub>N<sub>6</sub>O<sub>6</sub>  
 MOL WT. 434.34



STRUCTURE

### PRODUCT SPECIFICATIONS

	PARAMETER	STANDARD RESULTS
1.	Appearance	White crystalline powder
2.	Acidity pH ( 15% solution)	Between 5.5 to 6.5
3.	Melting Point	Between 180°C to 185°C
4.	Loss on drying at 105°C	< 0.5% w/w
5.	Assay ( HPLC)	>98%
6.	Sulphated Ash	< 0.1%
7.	Heavy Metals	< 10 ppm
8.	Appearance	White crystalline powder
9.	Acidity pH ( 15% solution)	Between 5.5 to 6.5

STORAGE Dry Closed Area

PACKING 25 kg HDPE Drums

**APPLICATION** Xanthinol Nicotinate is a form of Niacin that passes easily through cell membranes; Xanthinol Nicotinate is the most potent form of Niacin available. Xanthinol Nicotinate has been shown to increase brain glucose metabolism, improve brain ATP levels and improve brain blood flow (it acts as a vasodilator). As such, Xanthinol Nicotinate has been used to treat short-term memory disorders, mental flagging (i.e. lack of brain energy that compromises vigilance, concentration and attention) and insufficient blood flow to the arteries and the extremities. Furthermore Xanthinol Nicotinate has been clinically shown to improve the reaction speed of the elderly.