

Experiment Blog Th 9/29/2020: Niacin in solution

Updated October 1, 2020

Was possibly able to increase niacin in water solution by using niacinamide.

Niacinamide 150, 300, 450 mg in 3 ml water.

Then 1-2 drops tincture I.

did tincture help or hinder solubility?

$$\begin{aligned} 0.3\text{gm}/3 \text{ ml} &= 0.1 \text{ gm}/ \text{ ml} \\ &= \\ 10 \text{ gm}/100 \text{ gm} &= 10\% \end{aligned}$$

Next able to add up to 100 mg niacin, additional 50 mg caused precipitation.

$$100 \text{ mg in } 3 \text{ ml} = 3.33\%$$

DMSO 3-4 ml helped but did not seem to change solubility.

More tests needed.

Also need to find thickener. Use olive oil and/or argan butter?

see blog entry