

# Ibuprofen Lysine Fast Acting Patented Formulation

## Introduction

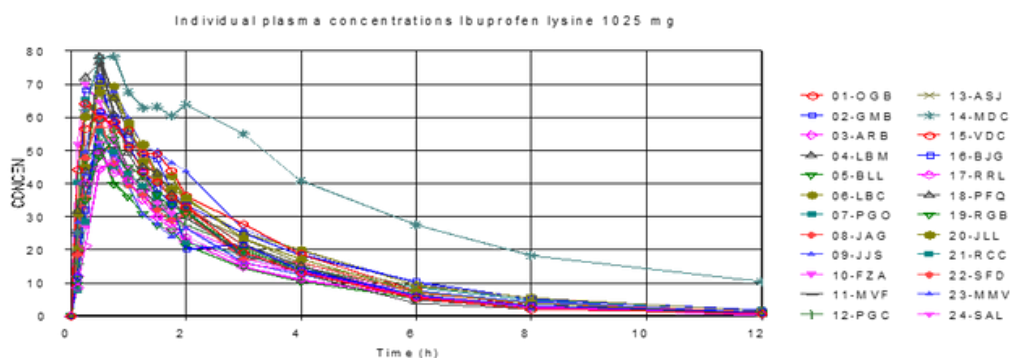
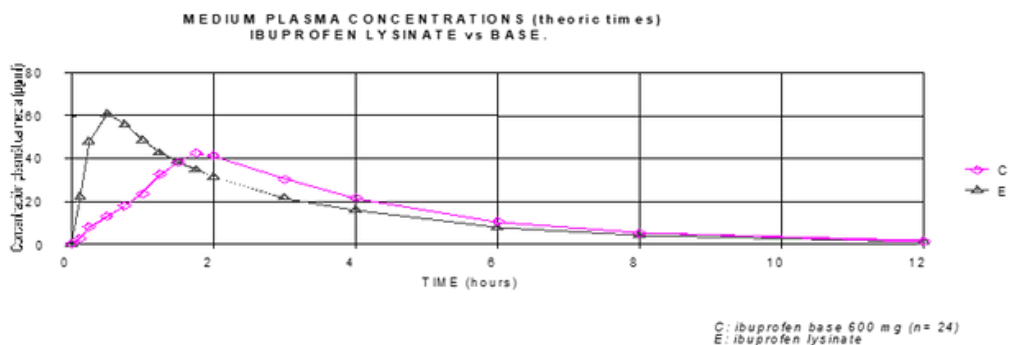
There are several salts used to help Ibuprofen be absorbed into the blood stream faster so as to provide more rapid relief of pain symptoms, the most common being Sodium and Lysine presented in tablet format. The key issue when presenting Ibuprofen in suspension products or sachets for a flu alleviation drink is stable taste masking.

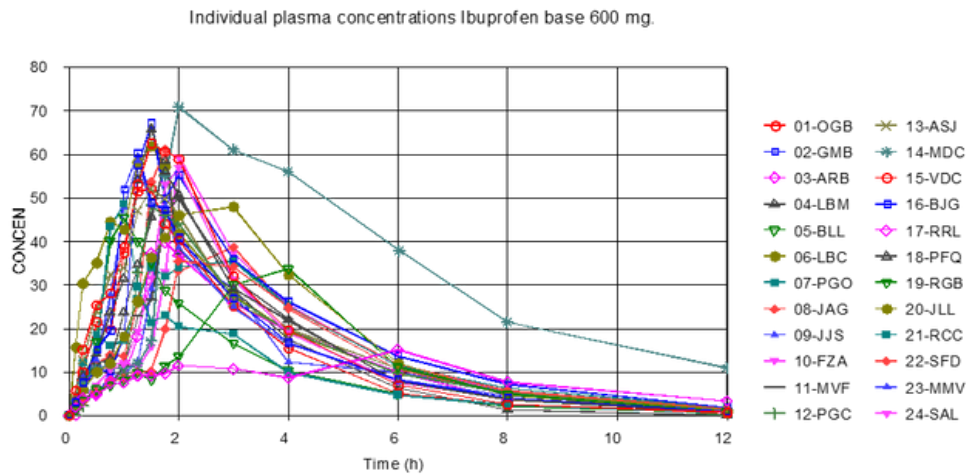
The product being offered under this paper is successfully tasked masked, patented, and also can withstand boiling water without losing its taste masking. The product is offered in the form of a suspension as well as sachets as a hot flavoured drink.

In most countries Ibuprofen is considered a material of common use and is well know by the regulators. The concentrations come in 100mg, 200mg as GSL, 400 mg pharmacy only with 600mg and 800mg prescription only. Ibuprofen is well tolerated in infants as 5mg per 100ml.

## Essential PK Data

The dossier cross refers to the extensive literature on this active pharmaceutical ingredient whilst adding support to the speed of action with certain PK studies. These studies show the speed of action to be substantially faster in the onset of pain relief, being some 7 minutes in 85% of the patient population in the studies. The three study extracts illustrate the point. In the first slide the pink data line shows “normal release” with 2 by 200mg tablets alongside an average of the second two slides which show many patients in the study.





### Presentations

The suspension comes in a PET bottle with child resistant closure whilst the hot drink comes in sachet format. The flavours of the 100mg suspension and 100mg/200mg sachets are fruits of the forest flavour. The 400mg/600mg sachets come as lemon flavour. Where Ibuprofen wins over Paracetamol in flu symptoms relief is it acts as a muscle relaxant whereas Paracetamol acts primarily to reduce pain only. The presentations do not contain any other active ingredients or pharmaceutically influencing excipients.

### Supply

The dossiers are fully CTD and have been widely submitted across Europe and some Middle Eastern countries as well as some Far East countries. Shipping bottles of liquid is expensive, less so sachets yet weigh heavy in long haul transit. Production can be sourced from Europe and Indonesia if packed stock is required or if prepared a pre-mix with all materials except sugar can be provided for local filling.