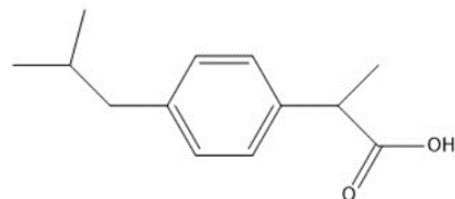


# Application Note: Ibuprofen

Ibuprofen is a nonsteroidal anti-inflammatory drug (NSAID) that is used for treating pain, fever, and inflammation.

Ibuprofen was first marketed in 1969 in the United Kingdom and in 1974 in the United States. It is on the World Health Organization's List of Essential Medicines. In 2020, it was the 38th most commonly prescribed medication in the United States, with more than 16 million prescriptions



Since Ibuprofen is one of the most reported pharmaceutical in finished drinking waste, it is important to determine the amount removed by different water treatment processes.

HPLC is an essential technique to determine the quantity of ibuprofen in water and help optimise a process for its removal. This application shows the use of an Aurashell C18 column for the analysis of ibuprofen in water.

