

Chemistry Advent 2023

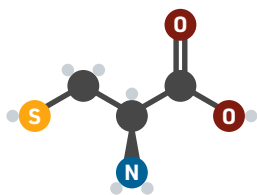


Japan: Kentucky Fried Chicken



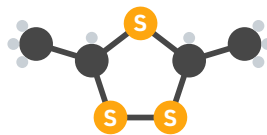
A marketing ploy from the first KFC in Japan in the 1970s has led to millions of Japanese citizens celebrating Christmas with fried chicken today. Christmas isn't a public holiday in Japan, so a bucket of fried chicken represents a practical way of celebrating the occasion. Thermal breakdown of the sulfur-containing amino acid cysteine during cooking produces some of the characteristic flavours of fried chicken.

KEY: ● Carbon ● Oxygen ● Nitrogen ● Sulfur ● Hydrogen



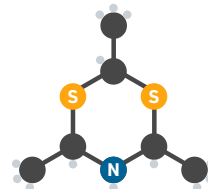
Cysteine

Amino acid found in chicken meat



3,5-dimethyl-1,2,4-trithiolanes

Thermal degradation products of cysteine



Thialdines