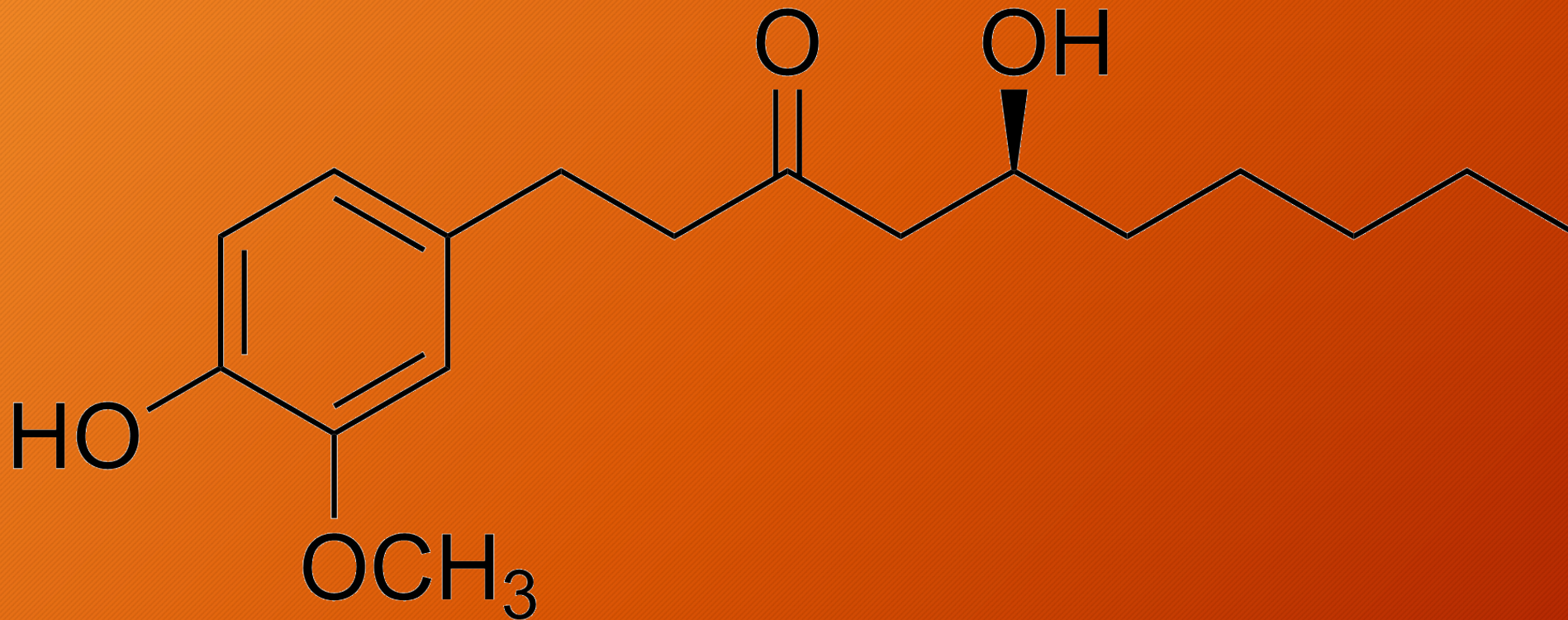


Molecule Monday

STRUCTURE



NAMES, FORMULA AND INFORMATION

- Chemical Formula: $C_{17}H_{26}O_4$
- Names: (S)-5-hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-decanone
- Molar Mass: 294.38 g/mol
- Melting Point: 30 to 32 °C (86 to 90 °F; 303 to 305 K)


Scoville scale

Very hot
60,000 SHU

PROPERTIES

- Similar to capsaicin, the compound that gives chilies their spiciness, and piperine, found in black pepper
- seems to be effective in an animal model of rheumatoid arthritis
- Studies in mouse models show it can prevent tumors from growing in range of cancer cell lines including blood cancer and lung cancer
- Has been investigated for its effect on cancerous tumors of the bowel, breast tissue, ovaries, and pancreas, with positive result
- Has been used to treat a large number of diseases and different types of pains such as joint and muscle pain since a long time ago
- Too much can lead to the combined delights of heartburn and diarrhoea

GINGEROL

