

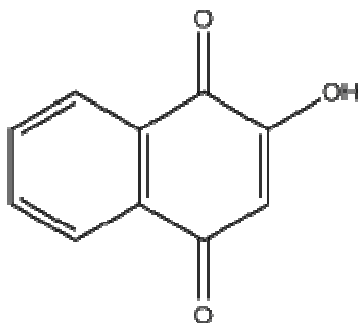


## VKR TEX - Tutorials

Manufacture of All Kinds of Auto loom Fabrics and Natural Dye Fabrics.

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### Lawson



Lawson (2-hydroxy-1,4-naphthoquinone), CAS: 83-72-7, Molecular Formula  $C_{10}H_6O_3$ , Molecular Weight 174.15

**Lawson (2-hydroxy-1,4-naphthoquinone)**, also known as **hennotannic acid**, is a red-orange dye present in the leaves of the henna plant as well as *Impatiens balsamica* (jewelweed). Humans have used henna extracts containing lawson as hair and skin pigments for more than 5000 years. In an acidic solution, lawson can react via Michael addition with the protein keratin in skin and hair, resulting in a strong permanent stain that lasts until the skin or hair is shed. Lawson strongly absorbs UV light, and aqueous extracts can be effective, sunless tanning sunscreens. Chemically, lawson is similar to juglone, which is found in walnuts. Lawson is known as **Natural Orange 6** or **C.I. 75480**.