

**Abstract**

5 The present invention relates to antipyrine based azo metal complex dyes and their use in optical layers for optical data recording, preferably for optical data recording using a laser with a wavelength up to 450 nm.

10 The invention further relates to a write only read many (WORM) type optical data recording medium capable of recording and reproducing information with radiation of blue laser, which employs an antipyrine based azo metal complex dye in the optical layer.