optical activity C>

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particular disection.

9f q compound sotates plane of PPL in clockwise disection then it will be dextessectatosy os d os [+] and if a compound sotates plane of PPL in anticlockwise disection then it will be leavosotatosy os J os [-].

optically strotes ate could romains of 2 Chemister

* CONDITIONS OF OPTICAL ACTIVITY := ee molecules should be Chisal" CHIRFIL C Unsymmetrical = which can not be divided listo two equal bast. c) changed object := ъ°л. · 2= equal baset · Missos inage of Actusal object

Symmetrical
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can be superimposed on that object.

• $MJ = 2^{\frac{-1}{2}} = 2^{\frac{-1}{2}}$ 9999999 • [0] = [8] 4 [M] Tega= a. CH3-CH-CH-CH3 [2,3-Butanedial] DH OH 5012 = n = 2 [Symmetrical as even] $1112 = 2^{n-1} = 2^{2r-1} = 2$ PPPPPP $\mathbf{D}^{0}\mathbf{J} \cdot \mathbf{[}\mathbf{M}\mathbf{]} = 2^{\frac{2}{2}-1} = 2^{1-1} = 2^{\circ} = 1$ ning. [0] = 2+1 = 3 cha. [8] = 2% = 1

. 3 3 3 CI 3 Eviz. Evz MP 0 MP 3 * MP 3 No chival combon н ME 6666 . Active molecule · optical inactive hemist speaks * Number of optical gromers interaction of optical gromers interaction of optical gromers interaction of optical growth isomers [7] = 2th ---n = NO. of chistal combon (centes. 3 -• Number of meso compounds [M] = 0 [zexo] NUMber of stereoisomer / option isomers [0] = [F] +[M] - -9 • NUMber of ROCENSIC relixiture [R] = [R]-CHO-CH-CH-CH-CH2-OH [Ghucose] OH OH OH OH CH [No. symmetrical plane] -> 298 = -2 5018 = n=4 tis. [A] = 2" = 2⁴ = 16 111. [M] = 0 -