

**Graph referenced as "Fluorescence depolarization relation between molecular weight + rotational relaxation time"**

**Contributors**

Gratzer, W. B. (Walter Bruno), 1932-

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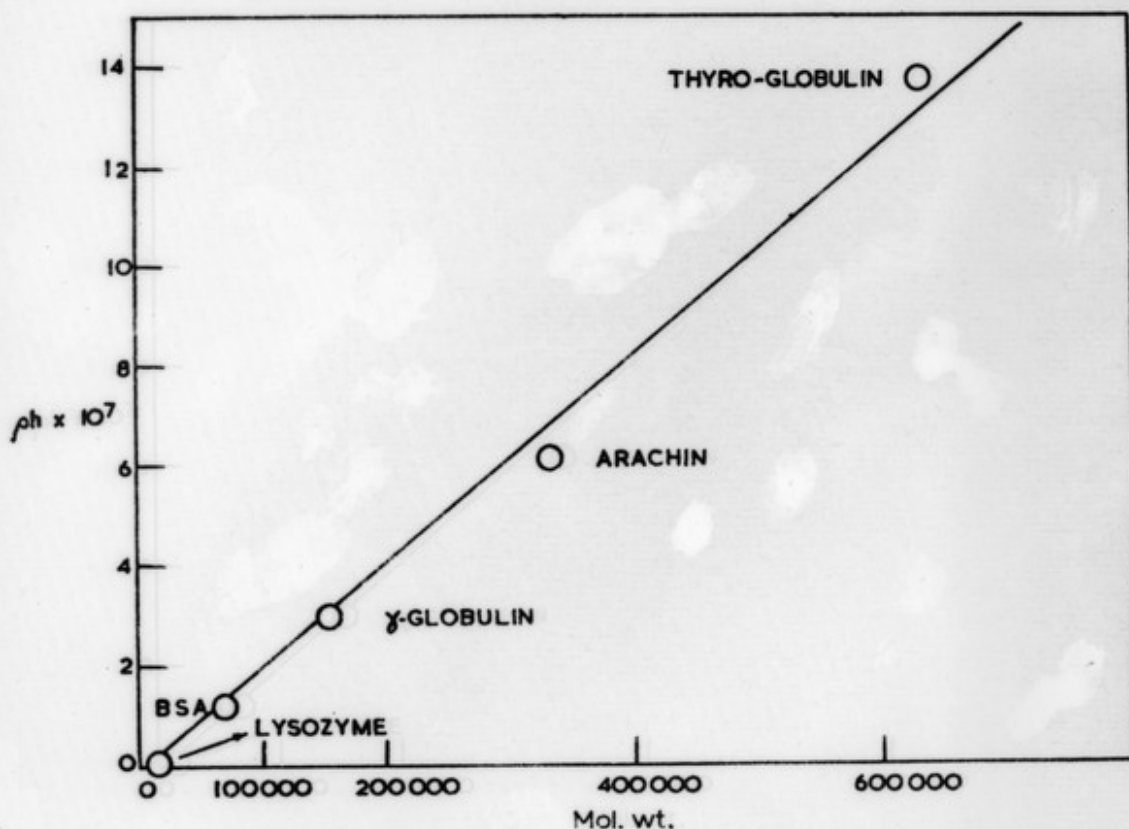
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Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>

dy. One of the  $\tau/p_0$  values were, within experimental error, identical, whilst for a conjugates a much higher value was given both by extrapolation and measurement in concentrated sucrose solution. Modified  $\tau/p_0$  values may arise from the presence of bound fluorochrome, but the excellent agreement shown by three of the cases seems to exclude this possibility in those cases. Further, since in the case of arachin conjugates, the same experimental procedures were employed, it is likely that this explanation applies to it and it seems inescapable that in some cases the protein is interfering in the fluorescence mechanism. A major factor determining  $\tau/p_0$  is the orientation of the emitting oscillators with respect to



5. Plot of calculated relaxation time ( $\rho h$ ) against molecular weight for various conjugates.