



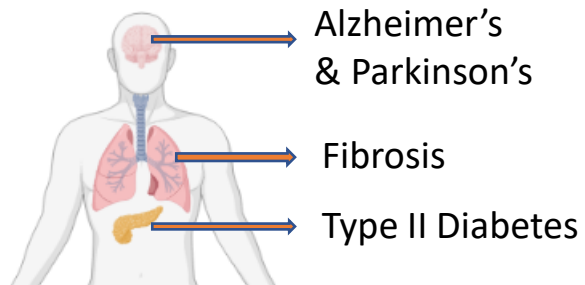
Measuring H_2S concentration using UV-VIS spectrophotometer

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Significance

H_2S can inhibit amyloids that are related to diseases such as

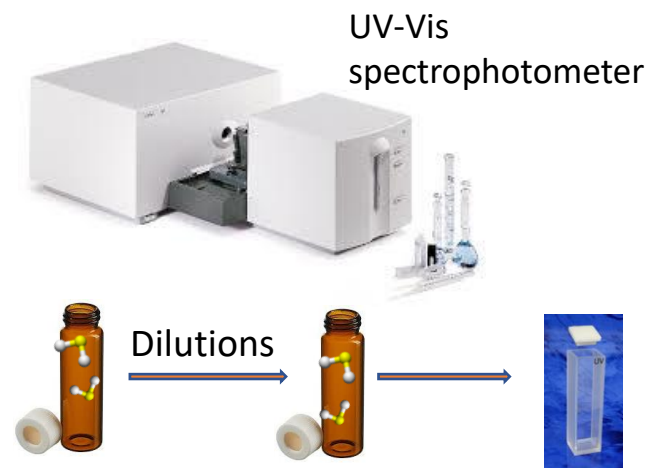


Innovation

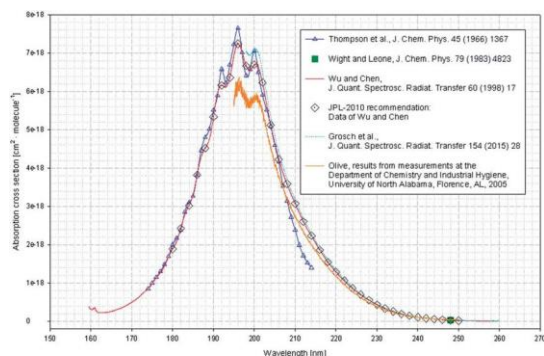
Difficulties of measuring H_2S :

- Can exist as H_2S & SH^- as a function of pH
- H_2S is a gas and light-sensitive
- Saturation reading with spectrophotometer at $> 100\mu\text{M}$ SH^-

Approach



Expected Results



<http://dx.doi.org/10.1039/C7RA09983E>

Conclusion

H_2S is involve in many important physiological processes. This experiment will measure H_2S as a tool to understand these.

Future

- Acquire data and refine the method
- Measure H_2S in more complicated matrixes
- Measure free H_2S in fibril solution