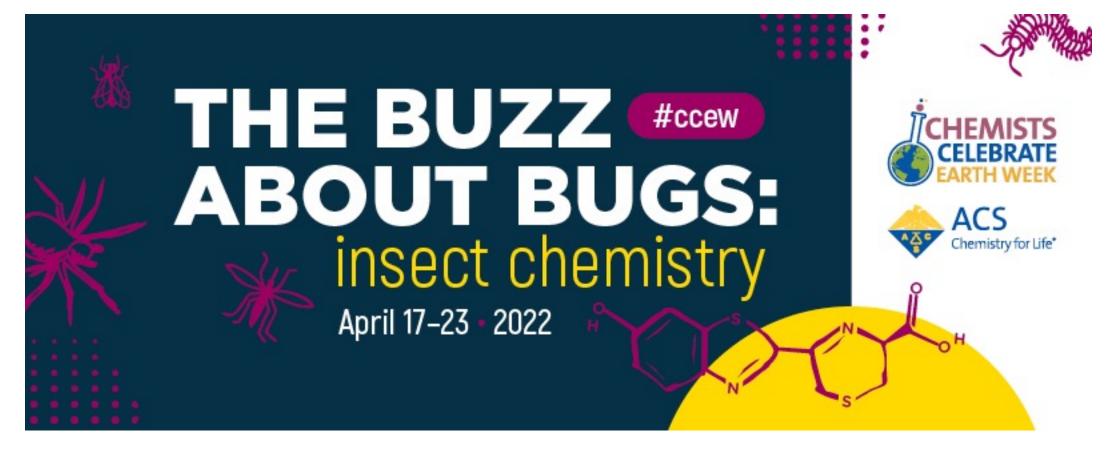
The Buzz About Bugs Chemists Celebrate Earth Week





Taking the Sting Out of Insect Bites

- That sting comes from formic acid
- To neutralize an acid, use a base
- Baking Soda
- Milk of Magnesia

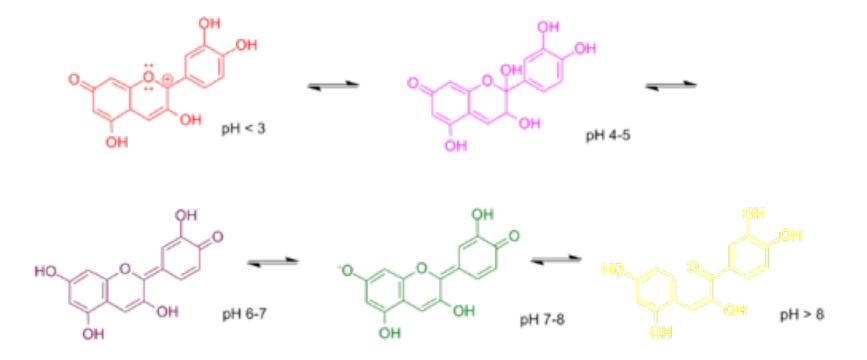


Demonstration: Acid-Base Indicator

- Natural compounds that change color
- Useful for detecting acids and bases
- Red Cabbage
- Purple Mizuna



The Anthocyanin chemical rainbow



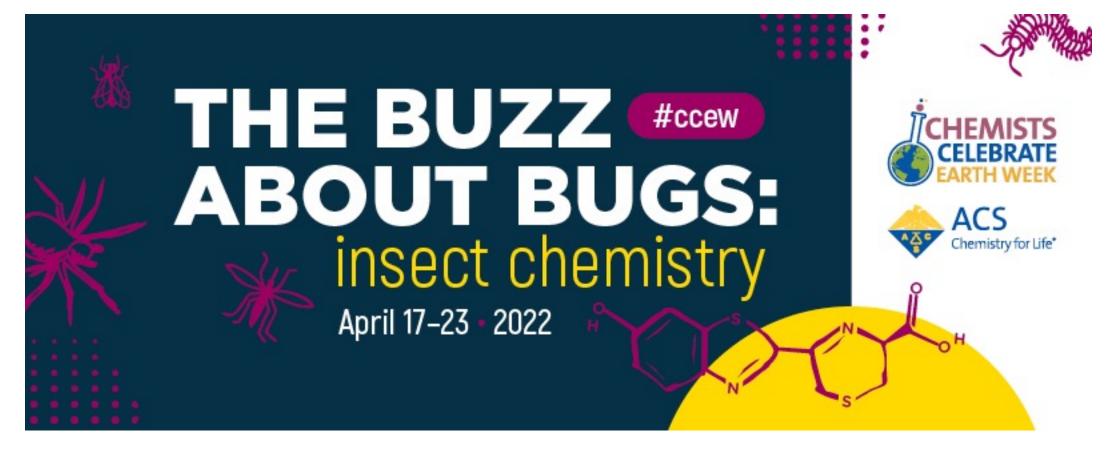


The Anthocyanin chemical rainbow



Red Cabbage pH Color Chart: http://images.flatworldknowledge.com/averillfwk/averillfwk-fig16_013.jpg

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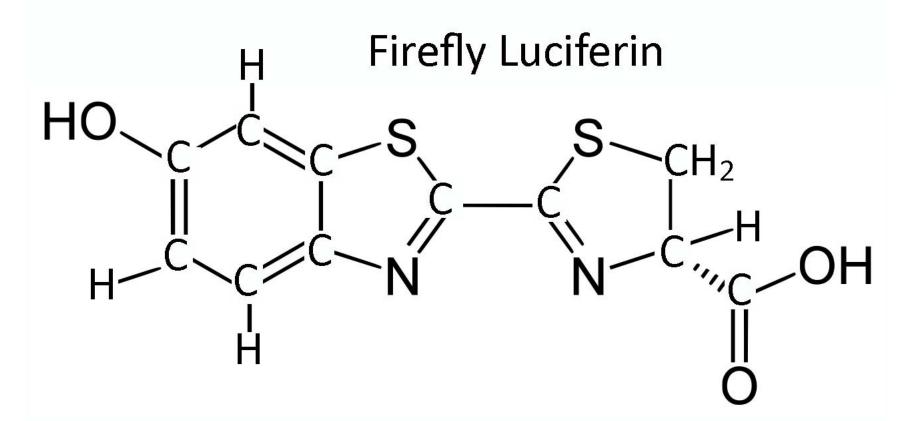
Bioluminescence – Cool Light

- Deep sea creatures
- Algae
- Fireflies



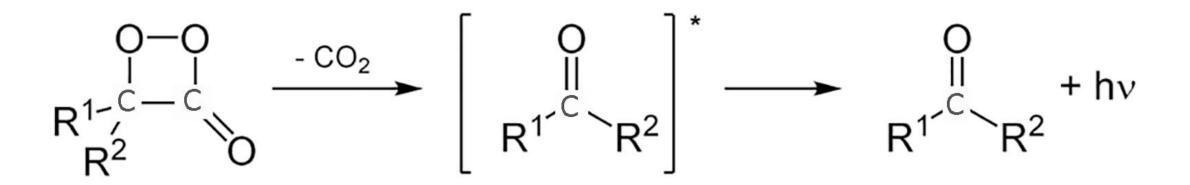


Firefly Luciferin C₁₁H₈N₂O₃S₂





Bioluminescence from Dioxetane





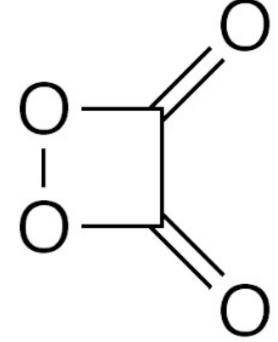
Chemiluminescence: https//acs.org

MOLECULE OF THE WEEK

I'm the key to brightening your day or night.

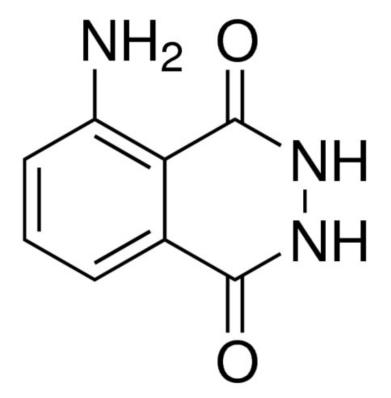
What molecule am I?

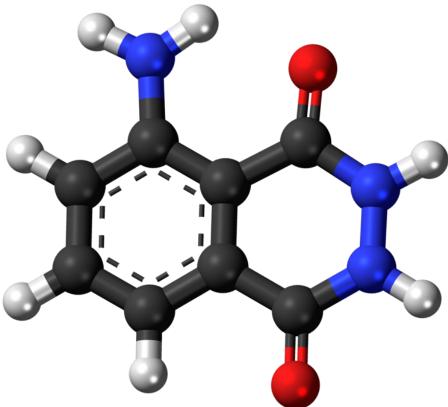
View Archive





Chemiluminescence: Luminol







Chemiluminescence: Luminol

