

## COLOR COMPOUNDS IN DAFFODILS ZEAXANTHIN

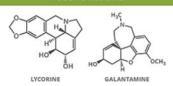
The color-causing compounds in daffodils are carotenoids. These include 8-carotene, the chemical that also gives carrots their orange color, and zeaxanthin, a yellow pigment.

B-CAROTENE

(E,E)-ox-FARNESENE

OCH<sub>3</sub>

1,4-DIMETHOXYBENZENE



Daffodils contain several poisonous alkaloid compounds, including lycorine. When these are ingested, they can cause severe vomiting and diarrhea. The alkaloid galantamine, however, has been used to treat the symptoms of Alzheimer's disease.

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elements

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Please bring a dish/treat to share