



LKT Laboratories, Inc.

Coumarin

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Product Information

Product ID C5782

CAS No. 91-64-5

Chemical Name 2H-1-Benzopyran-2-one

Synonym Coumarin, Coumarinic anhydride, Tonka bean camphor

Formula C₉H₆O₂

Formula Wt. 146.14

Melting Point 68-70°C

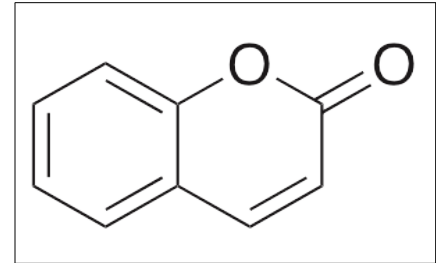
Purity ≥98%

Solubility Slightly soluble in water.
Soluble in alcohol, chloroform,
ether, alkali hydroxide
solutions or oils.

Store Temp Ambient

Ship Temp Ambient

Description Coumarin is a benzopyrone found in many plants such as the Tonka bean and sweet woodruff. Coumarin is commonly used in perfumes and fabric conditioners for its sweet odor. Coumarin is a precursor in the synthesis of anticoagulants such as warfarin; coumarin inhibits vitamin K. Coumarin is clinically used to treat edema, as it stimulates macrophages to degrade extracellular albumen, allowing increased fluid reabsorption. Coumarin is also used in dyes and bio-imaging. Derivatives of coumarin exhibit immunomodulatory, anticancer, and antimicrobial activities.



Bulk quantities available upon request

Product ID	Size
C5782	10 g
C5782	50 g

References Kontogiorgis C, Detsi A, Hadjipavlou-Litina D. Coumarin-based drugs: a patent review (2008 -- present). *Expert Opin Ther Pat.* 2012 Apr;22(4):437-54. PMID: 22475457.

Farinola N, Piller N. Pharmacogenomics: its role in re-establishing coumarin as treatment for lymphedema. *Lymphat Res Biol.* 2005 Summer;3(2):81-6. PMID: 16000056.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.