

Coumarins

CHEMICAL FAMILY

Coumarins are a type of lactone that is unique because of the presence of an adjacent benzene ring which can have several different functional groups attached.

THERAPEUTIC PROPERTIES		
ANTIFUNGAL	ANTIVIRAL	EXPECTORANT
MUCOLYTIC		

COMMON COUMARINS CHEMICALS MOLECULAR STRUCTURES

aesculetin	courmarin	scopoletine
bergampten	bergamottine	umbelliferone
furanocoumarins	herniarin	imperatorn
psoralen (furocoumarin)	bergapten (furocoumarin)	

ESSENTIAL OILS CONTENT OF COUMARINS
COUMARINS % CONTENTS

Essential Oils	Percentage
Fleabane	8%
Bitter Orange	6%
Lemon	4%
Bergamot	3%
Lavender	3%
Marigold	3%
Tarragon	3%
Angelica Root	2%
Coriander	2%
Dill	2%
Fennel	2%
Grapefruit	2%
Lavandin	2%
Lime	2%
Black Pepper	1%
Celery Seed	1%
Cinnamon Bark	1%
Cistus	1%
Clary Sage	1%
Cumin	1%

ESSENTIAL OILS CONTENT OF COUMARINS
COUMARINS % CONTENT CONT.

Essential Oils	Percentage
Wild Tansy	1%
Melissa	1%
Orange	1%
Peppermint	1%
Petitgrain	1%