

Dr. Duke's Phytochemical and Ethnobotanical Databases**List of Chemicals for Antimutagenic**

Chemical	Dosage
GENISTEIN	ID50=50-100 nM
ROBININ	ID50=50-100 nM
(+)-CATECHIN	ID50=50-100 nM
DIHYDROQUERCETIN	ID50=50-100 nM
NARINGENIN	ID50=50-100 nM
QUERCITRIN	ID50=2-5 nM
MYRICETIN	ID50=2-5 nM
QUERCETIN	ID50=2-5 nM
DELPHINIDIN-CHLORIDE	ID50=2-5 nM
LUTEOLIN	ID50=2-5 nM
RUTIN	ID50=2-5 nM
KAEMPFEROL	ID50=10-40 nM
DISOMETIN	ID50=10-40 nM
DIOSMETIN	ID50=10-40 nM
FISETIN	ID50=10-40 nM
APIGENIN	ID50=10-40 nM
MYRICITRIN	ID50=10-40 nM
QUERCETIN	ID50=0.62 ug/ml
APIGENIN	ID50=0.55 ug/ml
LUTEOLIN	ID50=0.44 ug/ml
FALCARINDIOL	ID50=0.096 uM/ml
BETA-EUDESOL	ID50=0.09 uM/ml
URSOLIC-ACID	IC57-80=80 mg/kg
ALIZARIN-3-METHYLIMINO-DIACETIC-ACID	IC50=140 uM
ANGELICIN	IC50=1.83 uM
FLAVONE	IC50=1.31 uM
FLAVONE	IC50=0.48 ppm

Chemical	Dosage
RESVERATROL	ED50=4 uM
ALIZARIN-3-METHYLIMINO-DIACETIC-ACID	54 ppm
BETA-SITOSTEROL	250 ug/ml
NONACOSANE	250 ug/ml
ANGELICIN	0.34 ppm
TANNIC-ACID	--
CIRSIMARITIN	--
GLYCYRRHETINIC-ACID	--
DIHYDROTANSHINONE-I	--
PAEONIFLORIN	--
1,5-DIHYDROXY-8-METHOXYXANTHONE	--
N-NONACOSANE	--
BENZYL-ISOTHIOCYANATE	--
CHLOROPHYLL	--
ASPERULOSIDIC-ACID	--
(-)-EPICATECHIN	--
CYMOBARBATOL	--
DEMETHOXYCURCUMIN	--
FERULIC-ACID	--
ALLYL-ISOTHIOCYANATE	--
P-HYDROXY-BENZOIC-ACID	--
4-PENTENYL-ISOTHIOCYANATE	--
TRANS-CINNAMALDEHYDE	--
CORILAGIN	--
BAICALEIN	--
PYROGALLOL	--
ISOBAVACHALCONE	--

Chemical	Dosage
GLABRENE	--
2,3-DIHYDROXYETHOXYACETOPHENONE	--
NARINGIN	--
CHRYSOERIOL	--
ASPERULOSIDE	--
INTRICATIN	--
DEHYDROCOSTUS-LACTONE	--
TURMERIN	--
POLYPHENOLS	--
FREMONTIN	--
L-AZETIDINE-2-CARBOXYLIC-ACID	--
ANISALDEHYDE	--
PSORALEN	--
CAFFEIC-ACID	--
PECTIN	--
COSTUNOLIDE	--
BOLDINE	--
LIGNANS	--
EMODIN	--
SCOPOLETIN	--
GLYCYRRHIZIN	--
3-BUTENYL-ISOTHIOCYANATE	--
NORDIHYDROGUAIARETIC-ACID	--
CINNAMIC-ACID	--
PROTOCATECHUIC-ACID	--
AESCULETIN	--
DESMUTAGENIC FACTOR	--

Chemical	Dosage
LINALOOL	--
KAEMPFERIDE	--
GALANGIN	--
EPICATECHIN-GALLATE	--
MANNITOL	--
ASCORBIC-ACID	--
CARNOSIC-ACID	--
SESAMINOL	--
XANTHOTOXIN	--
CROCETIN	--
(-)-EPIGALLOCATECHIN-GALLATE	--
ESCULETIN	--
5-METHOXY-PSORALEN	--
HYDROXY-CHAVICOL	--
AJOENE	--
OROXYLIN-A	--
STEVIOSIDE	--
CINNAMYL-ALCOHOL	--
PIPERINE	--
PAEONOL	--
GENIPOSIDE	--
EPICATECHIN	--
BAVACHIN	--
CHLOROGENIC-ACID	--
ANTHOCYANINS	--
ALPHA-TOCOPHEROL	--
CURCUMIN	--

Chemical	Dosage
ROSMARINIC-ACID	--
EUXANTHONE	--
IMPERATORIN	--
ALLICIN	--
P-CRESOL	--
NEOISOBAVACHALCONE	--
TANNIN	--
CITRIC-ACID	--
SAPONINS	--
OSTHOL	--
GERANIIN	--
BETA-CAROTENE	--
CHRYSIN	--
DEACETYLASPERULOSIDIC-ACID	--
(-)-EPICATECHIN-GALLATE	--
DAIDZEIN	--
L-ASCORBIC-ACID	--
ALPHA-METHYLENE-BUTYROLACTONE	--
PROTOANEMONIN	--
UMBELLIFERONE	--
COSTULONIDE	--
BIS-DEMETHOXYCURCUMIN	--
RHAMNETIN	--
ELLAGIC-ACID	--
PHEOPHYTIN-A	--
GLYCYRRHETIC-ACID	--
2-AMINO-4-METHYLHEX-5-YNOIC-ACID-(2S,4R)-2-AMINO-4-HYDROXYHEPT-6-YNOIC-ACID	--

Chemical	Dosage
BIOCHANIN-A	--
CINNAMALDEHYDE	--
GENIPOSIDIC-ACID	--
INTRICATINOL	--
BENZALDEHYDE	--
PEDUNCULAGIN	--
FREMONTONE	--
LIMONENE	--
CANTHAXANTHIN	--
VANILLIN	--
COUMARIN	--
TANGERETIN	--
(-)-EPIGALLOCATECHIN	--
ENMEIN	--
TUMERIN	--
GOSSYPETIN	--
ACACETIN	--
O-CRESOL	--
CINNAMYL RICINOLEATE	--
ALLIXIN	--
DIALLYL-SULFIDE	--
TAXIFOLIN	--
GALLIC-ACID	--
EPIGALLOCATECHIN	--
MYRCENE	--
BAKUCHIOL	--
CARNOSOL	--

Chemical	Dosage
PENTAGALLOYL-GLUCOSE	--
ZINGIBERONE	--
CRYPTOXANTHIN	--
(+)-GALLOCATECHIN	--
EUGENOL	--
HYPOGLYCIN-A	--
ALIZARIN	--
P-ANISALDEHYDE	--
15-NONACOSANONE	(250 ug/mL