

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Antimutagenic

Chemical	Dosage
(+)-CATECHIN	ID50=50-100 nM
(+)-GALLOCATECHIN	--
(-)-EPICATECHIN	--
(-)-EPICATECHIN-GALLATE	--
(-)-EPIGALLOCATECHIN	--
(-)-EPIGALLOCATECHIN-GALLATE	--
1,5-DIHYDROXY-8-METHOXYXANTHONE	--
15-NONACOSANONE	(250 ug/mL
2,3-DIHYDROXYETHOXYACETOPHENONE	--
2-AMINO-4-METHYLHEX-5-YNOIC-ACID-(2S,4R)-2-AMINO-4-HYDROXYHEPT-6-YNOIC-ACID	--
3-BUTENYL-ISOTHIOCYANATE	--
4-PENTENYL-ISOTHIOCYANATE	--
5-METHOXY-PSORALEN	--
ACACETIN	--
AESCULETIN	--
AJOENE	--
ALIZARIN	--
ALIZARIN-3-METHYLIMINO-DIACETIC-ACID	IC50=140 uM
ALIZARIN-3-METHYLIMINO-DIACETIC-ACID	54 ppm
ALLICIN	--
ALLIXIN	--
ALLYL-ISOTHIOCYANATE	--
ALPHA-METHYLENE-BUTYROLACTONE	--
ALPHA-TOCOPHEROL	--
ANGELICIN	IC50=1.83 uM
ANGELICIN	0.34 ppm
ANISALDEHYDE	--

Chemical	Dosage
ANTHOCYANINS	--
APIGENIN	ID50=10-40 nM
APIGENIN	ID50=0.55 ug/ml
ASCORBIC-ACID	--
ASPERULOSIDE	--
ASPERULOSIDIC-ACID	--
BAICALEIN	--
BAKUCHIOL	--
BAVACHIN	--
BENZALDEHYDE	--
BENZYL-ISOTHIOCYANATE	--
BETA-CAROTENE	--
BETA-EUDES MOL	ID50=0.09 uM/ml
BETA-SITOSTEROL	250 ug/ml
BIOCHANIN-A	--
BIS-DEMETHOXYCURCUMIN	--
BOLDINE	--
CAFFEIC-ACID	--
CANTHAXANTHIN	--
CARNOSIC-ACID	--
CARNOSOL	--
CHLOROGENIC-ACID	--
CHLOROPHYLL	--
CHRYSIN	--
CHRYSOERIOL	--
CINNAMALDEHYDE	--
CINNAMIC-ACID	--

Chemical	Dosage
CINNAMYL RICINOLEATE	--
CINNAMYL-ALCOHOL	--
CIRSIMARITIN	--
CITRIC-ACID	--
CORILAGIN	--
COSTULONIDE	--
COSTUNOLIDE	--
COUMARIN	--
CROCETIN	--
CRYPTOXANTHIN	--
CURCUMIN	--
CYMOBARBATOL	--
DAIDZEIN	--
DEACETYLASPERULOSIDIC-ACID	--
DEHYDROCOSTUS-LACTONE	--
DELPHINIDIN-CHLORIDE	ID50=2-5 nM
DEMETHOXYCURCUMIN	--
DESMUTAGENIC FACTOR	--
DIALLYL-SULFIDE	--
DIHYDROQUERCETIN	ID50=50-100 nM
DIHYDROTANSHINONE-I	--
DIOSMETIN	ID50=10-40 nM
DISOMETIN	ID50=10-40 nM
ELLAGIC-ACID	--
EMODIN	--
ENMEIN	--
EPICATECHIN	--

Chemical	Dosage
EPICATECHIN-GALLATE	--
EPIGALLOCATECHIN	--
ESCULETIN	--
EUGENOL	--
EUXANTHONE	--
FALCARINDIOL	ID50=0.096 uM/ml
FERULIC-ACID	--
FISETIN	ID50=10-40 nM
FLAVONE	IC50=1.31 uM
FLAVONE	IC50=0.48 ppm
FREMONTIN	--
FREMONTONE	--
GALANGIN	--
GALLIC-ACID	--
GENIPOSIDE	--
GENIPOSIDIC-ACID	--
GENISTEIN	ID50=50-100 nM
GERANIIN	--
GLABRENE	--
GLYCYRRHETIC-ACID	--
GLYCYRRHETINIC-ACID	--
GLYCYRRHIZIN	--
GOSSYPETIN	--
HYDROXY-CHAVICOL	--
HYPOGLYCIN-A	--
IMPERATORIN	--
INTRICATIN	--

Chemical	Dosage
INTRICATINOL	--
ISOBAVACHALCONE	--
KAEMPFERIDE	--
KAEMPFEROL	ID50=10-40 nM
L-ASCORBIC-ACID	--
L-AZETIDINE-2-CARBOXYLIC-ACID	--
LIGNANS	--
LIMONENE	--
LINALOOL	--
LUTEOLIN	ID50=0.44 ug/ml
LUTEOLIN	ID50=2-5 nM
MANNITOL	--
MYRCENE	--
MYRICETIN	ID50=2-5 nM
MYRICITRIN	ID50=10-40 nM
N-NONACOSANE	--
NARINGENIN	ID50=50-100 nM
NARINGIN	--
NEOISOBAVACHALCONE	--
NONACOSANE	250 ug/ml
NORDIHYDROGUAIARETIC-ACID	--
O-CRESOL	--
OROXYLIN-A	--
OSTHOL	--
P-ANISALDEHYDE	--
P-CRESOL	--
P-HYDROXY-BENZOIC-ACID	--

Chemical	Dosage
PAEONIFLORIN	--
PAEONOL	--
PECTIN	--
PEDUNCULAGIN	--
PENTAGALLOYL-GLUCOSE	--
PHEOPHYTIN-A	--
PIPERINE	--
POLYPHENOLS	--
PROTOANEMONIN	--
PROTocatechuic-acid	--
PSORALEN	--
PYROGALLOL	--
QUERCETIN	ID50=2-5 nM
QUERCETIN	ID50=0.62 ug/ml
QUERCITRIN	ID50=2-5 nM
RESVERATROL	ED50=4 uM
RHAMNETIN	--
ROBININ	ID50=50-100 nM
ROSMARINIC-ACID	--
RUTIN	ID50=2-5 nM
SAPONINS	--
SCOPOLETIN	--
SESAMINOL	--
STEVIOSIDE	--
TANGERETIN	--
TANNIC-ACID	--
TANNIN	--

Chemical	Dosage
TAXIFOLIN	--
TRANS-CINNAMALDEHYDE	--
TUMERIN	--
TURMERIN	--
UMBELLIFERONE	--
URSOLIC-ACID	IC57-80=80 mg/kg
VANILLIN	--
XANTHOTOXIN	--
ZINGIBERONE	--