

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Topoisomerase-I-Inhibitor

Chemical	Dosage
CHEBULANIN	MIC=0.1 ug/ml
ALPHA-BOSWELLIC-ACID-ACETATE	IC>80=5 uM
CAMPTOTHECIN	IC50=670 nM
RUBRAXANTHONE	IC50=60 ug/ml
EQUOL	IC50=50 ppm
CHEBULAGIC-ACID	IC50=50 nM
MORIN	IC50=42.1 ug/ml (weak activity)
QUERCETIN	IC50=42 uM
CORILAGIN	IC50=40 uM
MAKALUVAMINE-G	IC50=3 uM
GENISTEIN	IC50=250 ppm
EPIMANOALIDE-25-ACETAL	IC50=25 uM
FISETIN	IC50=20.6 ug/ml
4-NEROLIDYL-CATECHOL	IC50=20 ug/ml
SANSALVAMIDE-A	IC50=124 um
QUERCETIN	IC50=12.8 ug/ml
MYRICETIN	IC50=11.9 ug/ml
CAMPTOTHECIN	IC50=1 uM
BETA-LAPACHONE	IC50=1 uM
20(S)-CAMPTOTHECIN	IC50=0.52 uM
XESTOQUINONE	IC50=0.15 ug/ml
SANGUIN-H-6	IC50=0.02-5 uM
NORHARMAN	ED50=34.4 ug/ml (weak activity)
HARMAN	ED50=23.8 ug/ml (weak)
CAMPTOTHECIN	ED50=0.8 uM
APIODIONEN	83 ug/ml
CAFFEINE	75 uM

Chemical	Dosage
WAKAYIN	6.7 nM
ISORABDOSIIN	50 uM
RABDOSIN	50 uM
AMAROGENTIN	5 uM
CRYPTOLEPINE	5 uM
FREDERICAMYCIN-A	4.4 uM
8-DEMETHYLCORALYNE	26 uM
EPIBERBERINE	250 uM
GROENLANDICINE	250 uM
BETA-LAPACHONE	250 uM
DIHYDRODAIDZEIN	250 ppm (weak activity)
DIHYDROGENISTEIN	250 ppm
BIS-DEMETHOXYCURCUMIN	25 ug/ml
DOTRIACOLIDE	2.6 ug/ml
NOVOBIOCIN	150 uM
7-HYDROXY-FLAVONE	100 ug/ml
MONOMARGININE	10 ug/ml
CAMPTOTHECIN	1-50 uM
GENISTEIN	1-10 ug/ml
DIHYDROTANSHINONE-I	1 uM
3',5',7-TRI-O-METHYLTRICETIN	1 ug/mL
MENADIONE	1 ug/mL
BETA-LAPACHONE	1 ug/mL
CHARTREUSIN	1 ug/mL
10-HYDROXYCAMPTOTHECIN	0.4-1 uM
HALENAQUINONE	0.3 ug/ml
5,6-DIHYDRO-8-DEMETHYLCORYALYNE	0.26 uM

Chemical	Dosage
FAGARONINE	0.15-100 uM
NITIDINE	0.15 uM
VELUTIN	0.1 ug/ml
CAFFEINE	0.1 nM
PEDUNCULAGIN	0.03 ug/ml
APIGENIN	--
CHELERYTHRINE	--
KAEMPFEROL	--
GALLIC-ACID	--
ACACETIN	--
17-BETA-ESTRADIOL	--
LUTEOLIN	--
DEMETHOXYCURCUMIN	--
DAIDZEIN	--
AMPHIMIC-ACID-A	--
FORMONETIN	--
KAEMPFERIDE	--
DISTAMYCIN	--
FORMONONETIN	--
MITOMYCIN-C	--
CHRY SIN	--
GALANGIN	--
BIOCHANIN-A	--
ALNUMYCIM	--
CURCUMIN	--
NARINGENIN	--
NEOAMPHIMEDINE	--