

## Presence of Compounds in Espinheira Santa (*Maytenus ilicifolia*)

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Atropcangorosin A	Triterpene	Not Stated Rootbark	Not Stated Paraguay	Not Stated Not Stated	H07036 M30433
Atropcangorosin A,6'-7'-dihydro:	Triterpene	Not Stated	Not Stated	Not Stated	H07036
Atropcangorosin A,dihydro:	Triterpene	Rootbark	Paraguay	Not Stated	M30433
Cangoaronin	Triterpene	Rootbark	Paraguay	00.00070%	H07261
Cangorin A	Sesquiterpene	Rootbark	Paraguay	Not Stated	H12628
Cangorin B	Sesquiterpene	Rootbark	Paraguay	Not Stated	H12628
Cangorin C	Sesquiterpene	Rootbark	Paraguay	Not Stated	H12628
Cangorin D	Sesquiterpene	Rootbark	Paraguay	Not Stated	H12628
Cangorin E	Sesquiterpene	Rootbark	Paraguay	Not Stated	H12628
Cangorin F	Sesquiterpene	Rootbark	Brazil	00.00666%	H13581
Cangorin G	Sesquiterpene	Rootbark	Brazil	00.00140%	H13581
Cangorin H	Sesquiterpene	Rootbark	Brazil	00.00061%	H13581
Cangorin I	Sesquiterpene	Rootbark	Brazil	00.00070%	H13581
Cangorin J	Sesquiterpene	Rootbark	Brazil	00.00043%	H13581
Cangorinine E-1	Sesquiterpene Alkaloid	Rootbark	Paraguay	00.00263%	H13297
Cangorinine W-1	Sesquiterpene Alkaloid	Rootbark	Paraguay	00.00280%	H13297
Cangorinine W-II	Sesquiterpene Alkaloid	Rootbark	Paraguay	00.00114%	H13297

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Cangorosin A	Triterpene	Not Stated Rootbark	Not Stated Paraguay	Not Stated Not Stated	H07036 M30433
Cangorosin B	Triterpene	Not Stated Rootbark	Not Stated Paraguay	Not Stated Not Stated	H07036 M30433
Celastrol	Triterpene	Rootbark	Brazil	Not Stated	L19743
Dispermol,(+)	Diterpene	Entire Plant	Brazil	Not Stated	J09329
Dispermone,(-):	Diterpene	Entire Plant	Brazil	Not Stated	J09329
Friedelan-3-alpha-ol	Triterpene	Leaf	Brazil	Not Stated	L17000
Friedelan-3-beta-ol	Triterpene	Leaf	Brazil	Not Stated	L11832
Friedelan-3-ol	Triterpene	Leaf	Brazil	Not Stated	K21227 L19361
Friedelin	Triterpene	Leaf Aerial Parts Leaf Leaf Leaf Leaf	Brazil Brazil Brazil Brazil Brazil	Not Stated Not Stated Not Stated Not Stated Not Stated 00.00362%	K21227 L15618 L19361 L11832 L17000 L08628
Friedelinol,epi	Triterpene	Leaf	Brazil	00.01718%	L08628
Friedoolean-24-al-3-en-3-ol-2-on-29-Oic Acid,d:a:	Triterpene	Rootbark	Paraguay	Not Stated	M30433
Friedoolean-29-ol-3-one,d:a:	Triterpene	Rootbark	Paraguay	Not Stated	M30433
Friedoolean-5-en-3,beta-29-diol,d:b	Triterpene	Rootbark	Paraguay	Not Stated	H07261
Friedoolean-5-en-3-beta-29-diol,d:b	Triterpene	Rootbark	Paraguay	Not Stated	M30433
Friedooleanan-29-ol-3-one,d: A:	Triterpene	Rootbark	Paraguay	00.00263%	H07261
Ilicifolin	Triterpene	Rootbark	Paraguay	00.00131%	H07261

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Ref #
Ilicifolinoside A	Alkenol	Leaf	Brazil	00.031%	H21342
Ilicifolinoside B	Alkanol	Leaf	Brazil	00.014%	H21342
Ilicifolinoside C	Alkanol	Leaf	Brazil	00.008%	H21342
Kaempferol-3-O-alpha-L-rhamnopyranosyl (1-->6)-O-[alpha-L-arabinopyranosyl (1-->3)-O-alpha-L-rhamnopyranosyl (1-->2)]-O-beta-D-galactopyranoside	Flavonoid	Leaf	Brazil	Not Stated	AD1005
Kaempferol trisaccharides	Flavonoid	Leaf	Brazil	Not Stated	AD1005
Kaempferol disaccharides	Flavonoid	Leaf	Brazil	Not Stated	AD1005
Maitenine	Triterpene	Entire Plant	Brazil	Not Stated	J09329
Maytanbutine	Matansinoid	Leaf + Twigs Root + Stem	Paraguay Paraguay	Not Stated 00.00002%	T03492 T03492
Maytanprine	Matansinoid	Leaf + Twigs Root + Stem	Paraguay Paraguay	00.00002% 00.00002%	T03492 T03492
Maytansine	Matansinoid	Leaf + Twigs Root + Stem	Paraguay Paraguay	00.00002% 00.00002%	T03492 T03492
Maytenin	Triterpene	Rootbark	Brazil	Not Stated	L19743
Maytenin,20-alpha-hydroxy	Triterpene	Rootbark	Brazil	Not Stated	L19743
Maytenin,22-beta-hydroxy	Triterpene	Rootbark	Brazil	Not Stated	L19743
Maytenoic Acid	Triterpene	Rootbark Rootbark	Paraguay Paraguay	00.00307% Not Stated	H07261 M30433
Maytenoquinone,(+)	Diterpene	Entire Plant	Brazil	Not Stated	J09329
Pristimeriin III,iso:	Triterpene	Rootbark	Paraguay	Not Stated	M30433

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Pristimerin	Triterpene	Rootbark	Paraguay	Not Stated	L19743
Pristimerin III,iso	Triterpene	Rootbark	Paraguay	00.00087%	H07261
Quercetin trisaccharides	Flavonoid	Leaf	Brazil	Not Stated	AD1005
Quercitrin,iso:	Flavonol	Not Stated Leaf	Paraguay Brazil	Not Stated Not Stated	K28456 L17000
Salaspermic Acid	Triterpene	Rootbark Rootbark	Paraguay Paraguay	00.00175% Not Stated	H07261 M30433
Tingenol,6-oxo	Triterpene	Rootbark	Paraguay	Not Stated	H15022
Tingenone	Triterpene	Bark	Brazil	Not Stated	T03177
Tingenone III,iso	Triterpene	Rootbark	Paraguay	00.00131% Not Stated	H07261 M30433

**OTHER PHYTOCHEMICAL SCREENING:**

**ALKALOIDS ABSENT      ENTIRE PLANT      A03499**  
**ALKALOIDS PRESENT      FLOWERS      M28328**

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