

Presence of Compounds in Mullaca (*Physalis angulata*)

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Journal Ref*
Ayanin	Flavonol	Entire Plant	Not stated	Not stated	K01546
Chlorogenic Acid	Phenylpropanoid	Leaf	France	Not stated	W03775
Choline,acetyl;	Alkaloid-misc	Fruit	Brazil	Not stated	M10843
Ixocarpanolide,14-alpha-hydroxy	Steroid	Aerial Parts	USSR	00.01257%	H03000
Myricetin-3-O-Neohesperidoside	Flavonol	Leaf	USA-TX	00.034%	H28598
Phygrine	Alkaloid	Entire Plant	China	Not stated	H11266
Physagulin A	Steroid	Leaf + Stem	Japan(cult)	00.00143%	H09792
Physagulin B	Steroid	Leaf + Stem	Japan(cult)	00.01%	H09792
Physagulin C	Steroid	Leaf + Stem	Japan(cult)	00.0135%	H07746
Physagulin D	Steroid	Leaf + Stem	Japan(cult)	00.0075%	H09792
Physagulin E	Steroid	Fruit	Japan(cult)	00.00027%	H09950
Physagulin F	Steroid	Fruit	Japan(cult)	00.00054%	H09950
Physagulin G	Steroid	Fruit	Japan(cult)	00.000409%	H09950
Physalin B	Steroid	Stem	India(cult)	00.0125%	N00729
		Leaf	India(cult)	00.021%	N00729
		Stem	India	00.0053%	N00729
		Root Culture	Brazil	Not stated	L11291
		Stem	India(cult)	Not stated	N00665
		Leaf	India	Not stated	N06627
		Entire Plant	Taiwan	Not stated	K08937

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Journal Ref*
Physalin D	Steroid	Entire Plant	Taiwan	00.00666%	K07329
		Stem	India(cult)	Not stated	N00665
		Leaf	India	Not stated	N06627
		Leaf	India	Not stated	N06627
		Leaf	India(cult)	00.01%	N00729
		Stem	India	00.0062%	N00729
Physalin E	Steroid	Stem	India(cult)	Not stated	N00665
		Leaf	India	Not stated	N06627
		Leaf	India(cult)	00.01%	N00729
		Stem	India	00.0062%	N00729
Physalin F	Steroid	Entire Plant	Taiwan	Not stated	K08937
		Entire Plant	Taiwan	00.00311%	K07329
		Stem	India(cult)	Not stated	N00665
		Leaf	India	Not stated	N06627
		Stem	India(cult)	00.01%	N00729
		Leaf	India(cult)	00.035%	N00729
Physalin G	Steroid	Stem	India(cult)	Not stated	N00665
		Leaf	India	Not stated	N06627
		Stem	India	00.0043%	N00729
Physalin H	Steroid	Leaf	India	Not stated	N06627
		Stem	India(cult)	00.0096%	N00729
Physalin I	Steroid	Stem	India(cult)	00.0018%	N00729
		Stem	India(cult)	Not stated	N06627
Physalin J	Steroid	Stem	India(cult)	Not stated	N00665
Physalin K	Steroid	Leaf	India	Not stated	N06627
Physangulide	Steroid	Leaf	USSR	Not stated	M26779
Sitosterol,beta;	Steroid	Stem	India(cult)	00.0125%	N00729
Vamonolide	Steroid	Aerial Parts	USSR	00.0015%	T14820
Withagulatin A	Steroid	Leaf + Stem	India(cult)	00.0045%	H09792

Compound	Chemical Type	Plant Part	Plant Origin	Quantity	Journal Ref*
Withaminimin	Steroid	Leaf + Stem	Japan(cult)	00.0035%	H09792
Withangulatin A	Steroid	Entire Plant	Taiwan	00.0058%	H06423
Withanolide D,24-25-epoxy:	Steroid	Aerial Parts	USSR	00.02586%	H03000
Withanolide T	Steroid	Aerial Parts	USSR	00.00264%	M28655
Withaphysanolide	Steroid	Leaf	Sudan	Not stated	M11773

Other Phytochemical Screening:

Alkaloids Present	Entire Plant	M27767
	Entire Plant	L16047
Steroidal Saponins Present	Leaf	M11773

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