

Biological Activities for Extracts of Ayapana (*Ayapana triplinervis*)

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Essential Oil - India	CNS Depressant Activity	Essential Oil	IP Mouse	Various	Active		T08998
Essential Oil - India	Analgesic Activity	Essential Oil	IP Mouse	Various	Active		T08998
Essential Oil - India	Spontaneous Activity Reduction	Essential Oil	IP Mouse	Various	Active		T08998
Essential Oil - India	Hypothermic Activity	Essential Oil	IP Mouse	Various	Inactive		T08998
Essential Oil - India	Antibacterial Activity	Essential Oil	Agar plate	Not stated	Active		T08998
Essential Oil - India	Antifungal Activity	Essential Oil	Agar plate	Varied	Active	Several pathogenic fungi	T07197
Essential Oil - India	Antifungal Activity	Essential Oil	Agar plate	Varied	Active	<i>Aspergillus niger</i> <i>Aspergillus flavus</i> <i>Aspergillus fumigatus</i> <i>Microsporium gymseum</i> <i>Rhizopus nigricans</i> <i>Alternaria</i> species <i>Helminthosporium saccharii</i> <i>Cladosporium herbarum</i> <i>Trichothecium roseum</i> <i>Cunninghamella echinulata</i>	K08673
Essential Oil - India	Antifungal Activity	Essential Oil	Agar plate	Varied	Inactive	<i>Aspergillus candidus</i> <i>Aspergillus nidulans</i> <i>Trichophyton rubrum</i> <i>Mucor mucedo</i> <i>Penicillium digitatum</i> <i>fusarium oxysporum</i>	K08673

GI = Gastric Intubation IG = Intra gastric IP = Intraperitoneally IV = Intravenously SC = Subcutaneously PO = Orally

Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Flower Essential Oil India	Antiparasitic Activity	Essential Oil	In vitro	Not stated	Active	<i>Ascaris lumbricoides</i>	J11550
Flower Essential Oil India	Anthelmintic Activity	Essential Oil	In vitro	Not stated	Active	<i>Taenia solium</i>	J11550
Flower Essential Oil India	Antibacterial Activity	Essential Oil	Agar plate	Not stated	Active	<i>Vibrio cholera ogawa</i> <i>Staphylococcus aureus</i> <i>Diplococcus pneumoniae</i> <i>Shigella flexneri</i>	J11550
Leaf - India	Antibacterial Activity	Pet Ether Ext	Agar plant	250 mcg/ml	Equivocal	<i>Bacillus subtilis</i> <i>Staphylococcus aureus</i> <i>Staphylococcus epidermidis</i> <i>Micrococcus luteus</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella typhi</i> <i>Vibrio cholera</i>	L21977
Leaf - India	Antibacterial Activity	Pet Ether Ext	Agar plant	1000 mcg/ml	Inactive	<i>Shigella dysenteriae</i> <i>Vibrio parahemolyticus</i>	L21977
Leaf - India	Antifungal Activity	Pet Ether Ext	Agar plant	250 mcg/ml	Equivocal	<i>Aspergillus niger</i> <i>Aspergillus flavus</i> <i>Alternaria species</i> <i>Fusarium solani</i>	L21977
Leaf - Mauritius	Antimicrobial Activity	MEOH Ext	Agar plate	Not stated	Inactive	<i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella typhi</i> <i>Staphylococcus aureus</i> <i>Candida albicans</i>	L13564
Leaf - Mauritius	Antifungal Activity	MEOH Ext	Agar plate	Not stated	Active	<i>Aspergillus niger</i>	L13564

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Plant Part - Origin	Activity Tested For	Type Extract	Test Model	Dosage	Result	Notes/Organism tested	Ref #
Plant - Surinam	Antibacterial Activity	ETOH ext	Agar plate	50 mg/ml	Active	<i>Bacillus subtilis</i>	T14756
Plant - Surinam	Antimicrobial Activity	ETOH ext	Agar plate	50 mg/ml	Inactive	<i>Escherichia coli</i> <i>Aspergillus niger</i> <i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> <i>Candida albicans</i>	T14756
Plant - Mauritius	Insecticidal Activity	Dried plant	In vivo	Not stated	Active	<i>Plutella xylostella</i> <i>Crocidolomia binotalis</i>	AY2003

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