

TABLE

Denomination	Active(s) principle(s)	Use in therapy	Mechanism or mode of action in mammals
Naft	Naftazone	To treat of varicose veins, hemorrhoids and venous diseases	Stabilisation of capillary walls, anti-inflammatory actions, improvement of blood rheology, protection of endothelial cells from oxidative stress and modulation of enzymatic activities
Dios	Diosmin	Inhibits the breakdown of noradrenaline by catechol- <i>O</i> -methyltransferase	
Hid	Hidrosmín	Influences on the permeability and fragility of microvessels, increases parietal tone and increases erythrocyte deformability and reduces the viscosity of the blood	
Dipem	Diosmin+Hesperidin	Hesperidin inhibits human Aurora kinase HsAurB inhibitor	
Pinav	Pinaverium bromide	To restore the normal contraction process of the bowel (antispasmodics by Ca ²⁺ channel blocker)	Modifiers of Ca ²⁺ homeostasis
Gaba	Gabapentin	To treat partial seizures and neuropathic pain (anticonvulsant)	
Amlod	Amlodipine	To treat coronary artery disease, variant angina and high blood pressure	
Tiz	Tizanidine	To treat muscle spasticity due to spinal cord injury, multiple sclerosis, and spastic cerebral palsy	Agonist of α_2 -adrenergic receptor
Solif	Solifenacin	To treat overactive bladder and neurogenic detrusor overactivity	Competitive cholinergic receptor antagonist (selective for the M3 receptor subtype)
Apix	Apixaban	To treat and prevent blood clots and to prevent stroke in people with nonvalvular atrial fibrillation (anticoagulant)	Reversible direct inhibitor of free and clot-bound factor Xa
Sun	Sunitinib	To treat cancer	Targets receptor tyrosine kinase
Erlo	Erlotinib		
Lapa	Lapatinib		
Pruc	Prucalopride	To treat the impaired motility associated with chronic constipation	Selective 5-HT ₄ receptor agonist
Tam	Tamsulosin	To treat symptomatic benign prostatic hyperplasia, chronic prostatitis and to help with the passage of kidney stones	Selective α_1 receptor antagonist
Cipr	Ciprofibrate	To treat hyperlipidemias	Binds to PPAR α , increasing fatty acid oxidation and reducing triglycerides levels
Simv	Simvastatin	Competitive and reversible inhibitor of HMG CoA reductase	
Prof	Profenamine	To treat Parkinson disease	Anticholinergic, antihistamine, and antiadrenergic actions
Risp	Risperidone	To treat schizophrenia and bipolar disorder	Serotonin and norepinephrine reuptake inhibition
Flux	Fluvoxamine maleate	Action on the CNS To treat, among others, major depressive disorder and obsessive-compulsive disorder	Selective serotonin reuptake inhibitor
Diaz	Diazepam	To treat, among others, anxiety, seizures, muscle spasms and insomnia	Binds to the benzodiazepine site on the GABAA receptor
Tadal	Tadalafil	To treat erectile dysfunction, benign prostatic hyperplasia, and pulmonary arterial hypertension	Releases NO stimulating the synthesis of cyclic guanosine monophosphate in smooth muscle cells
Teraz	Terazosin	To treat symptoms of an enlarged prostate and high blood pressure	Blocks α_1 -selective adrenergic receptors
Som+Dherg	Somophyllin+Dihydroergocristine	To vasodilate cerebral vessels	Agonistic activity on dopaminergic and antagonistic activity on adrenergic receptors
Ras	Potasic losartan+Hydrochlorothiazide	Vasodilators To treat hypertension	Losartan is an angiotensin receptor blocker
Hydchl	Hydrochlorothiazide	To treat hypertension and swelling due to fluid build-up	Inhibits the NaCl cotransporter located on the apical membrane of the distal convoluted tubules in the kidney
Indap	Indapamide	To treat hypertension and decompensated heart failure	Diuretic effect at the level of the kidney distal tubule and a direct vascular effect
Vals	Valsartan	To treat hypertension, heart failure and diabetic kidney disease	Angiotensin II receptor blockers

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Deslor	Desloratadine		To treat allergies	H ₁ inverse agonist
Lord	Loratadine+Dexamethasone	Antiallergic	Dexamethasone: to treat, among others, severe allergies	Dexamethasone alleviates allergic inflammation through an MKP-1-dependent mechanism
Lorat	Loratadine		To treat allergies	
Atarax	Hydroxyzine hydrochloride		To treat, among others, itchiness	H ₁ receptor inverse agonist
Cefix	Cefixime		To treat different bacterial infections	Inhibition of cell wall synthesis
Clind	Clindamycin			
Dox	Doxycycline	Antibiotic	To treat bacterial and certain parasites infections	Inhibits bacterial protein synthesis
Nitrof	Nitrofurantoin		To treat urinary tract infections	Affects, among others, ribosomal proteins, DNA, respiration, pyruvate metabolism
Abac	Abacavir sulfate		To treat HIV/AIDS	Reverse-transcriptase inhibitor
Fav	Favipiravir	Antiviral	To treat, among others, influenza and SARS-CoV-2	Inhibits viral RNA-dependent RNA polymerase
Benc	Benzydamine			
Mes	Mesalazine			
Flodi	Paracetamol+Caffeine+Phenylephrine hydrochloride+Loratadine		Analgesic/anti-inflammatory/antipyretic/anti-allergic Decreases synthesis of prostaglandin and leukotriene	
Desenf	Paracetamol+Phenylephrine hydrochloride+Chlorpheniramine maleate		Caffeine: increases intracellular concentrations of cyclic adenosine monophosphate Phenylephrine: stimulates postsynaptic alpha-receptor	
Chlmal	Chlorpheniramine maleate		Selective inhibitor of histamine H1 receptors	Inhibits the synthesis of pro inflammatory cytokines (i.e., TNF- α , IL-1 β)
Parac	Paracetamol		Activates the descending serotonergic pathways	
Dipy	Dipyrone		Inhibits prostaglandin E2-induced hyperalgesia	
Calm	<i>Valeriana</i> , <i>Passiflora</i> and <i>Crataegus</i> extract			
Plac	<i>Valeriana officinalis</i> , <i>Passiflora incarnata</i> and <i>Matricaria recutita</i> extracts			
Clim	Red clover extract (<i>Trifolium pratense</i> extract)		Natural products extracts	
Plid	<i>Valeriana</i> , <i>Passiflora incarnata</i> and <i>Tilia</i> extracts+Cyclobenzaprine		Anxiolytic, antispasmodic and sleep promoter	
Abril	<i>Hedera h�lix</i> extract (the main component is alpha-hederin)		Action on climacteric symptoms acting on on type b estrogen receptors	
Venost	<i>Aesculus hippocastanum</i> L. seeds extract (the main component is Escin)		Anxiolytic	Tranquiliser and sleep normaliser
Refr	<i>Pelargonium sidoides</i> extract (main components: tanins and coumarins)		Effect on bronchial secretions	
Vilz	Metformin hydrochloride+Vildagliptin		Effect on the venous system	
Met	Metformin		Antibacterial, antiviral and immunomodulatory	
Domp	Domperidone		To treat diabetes	
			Inhibits, among others, mitochondrial respiratory chain, glucagon-induced elevation of cyclic adenosine monophosphate, mitochondrial glycerol-3-phosphate dehydrogenase	Inhibits dipeptidyl peptidase-4
			To treat nausea and vomiting and certain gastrointestinal problems	Dopamine antagonist

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Iband	Ibandronic acid	To prevent and treat osteoporosis and metastasis-associated skeletal fractures in some cancers	Inhibits farnesyl pyrophosphate synthase and binds to and adsorbs onto the surface of hydroxyapatite crystals in the bone matrix
Bnz	Benznidazole	Anti- <i>T. cruzi</i> references	-
Ket	Ketoconazole	-	
Terb	Terbinafine	-	
Codes			
	Not previously tested against <i>Trypanosoma cruzi</i>		
	Some components, but not all or in the combination, or other chemical form (<i>i.e.</i> , salt) of the active principle of the Uruguayan medicines formulations were previously evaluated against <i>T. cruzi</i>		
	Used as references due to: (i) they were described as active or inactive; (ii) they cover different mechanisms of action in mammals systems; iii) they were studied on another parasitic-strain or -stage		
	Used as references in order to compare their activity with the activity when they are administered as mixtures of some medicines formulations commercialised in Uruguay		
	Anti- <i>T. cruzi</i> reference agents		

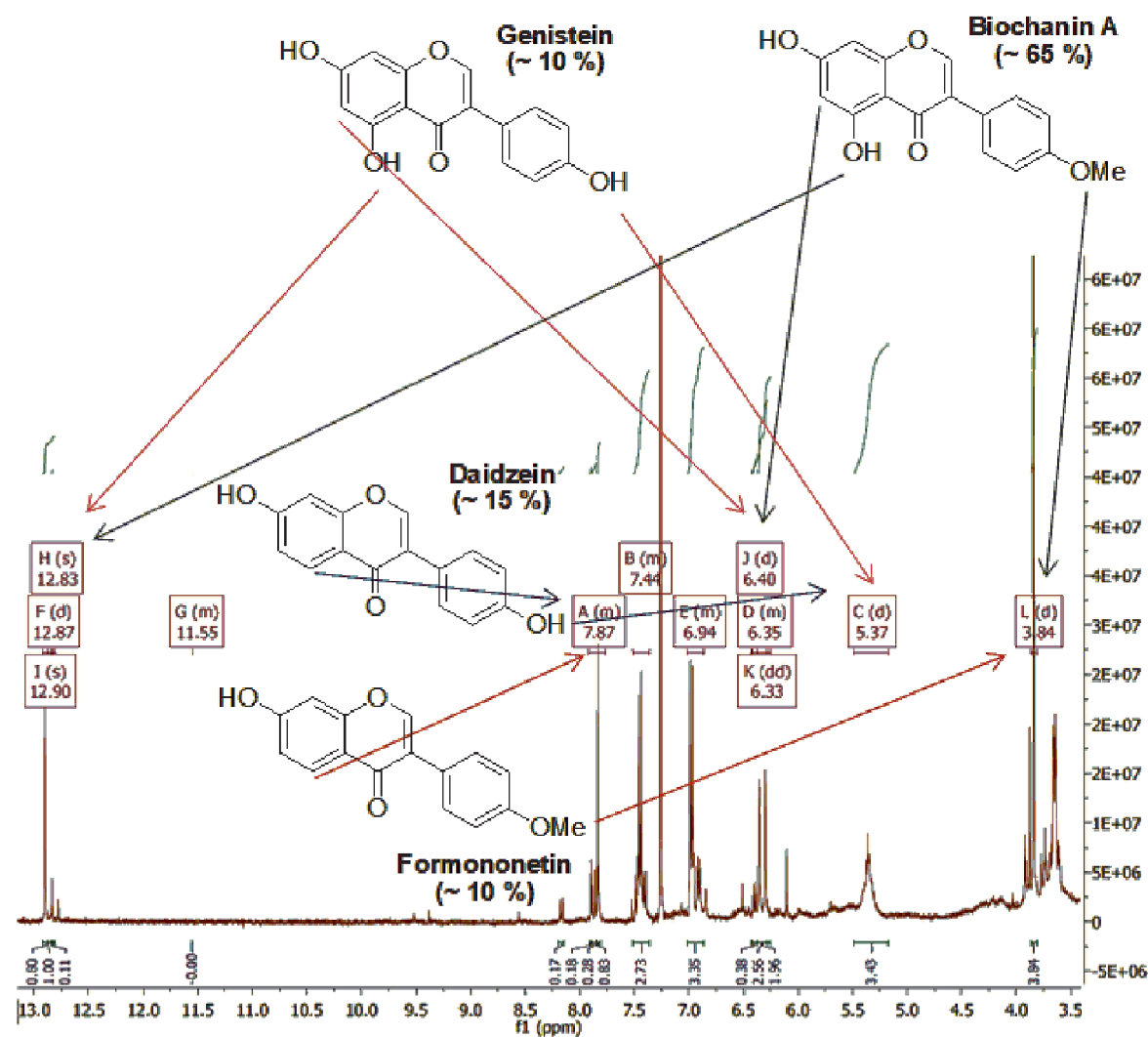


Fig. 1: ^1H NMR of the active medicine Clim (CDCl_3 , room temperature) which according to the manufacturer's indications has biochanin A, formononetin, genistein and daidzein as its main components from the red clover extract. Selected signals to calculate the proportion of each compound are indicated.

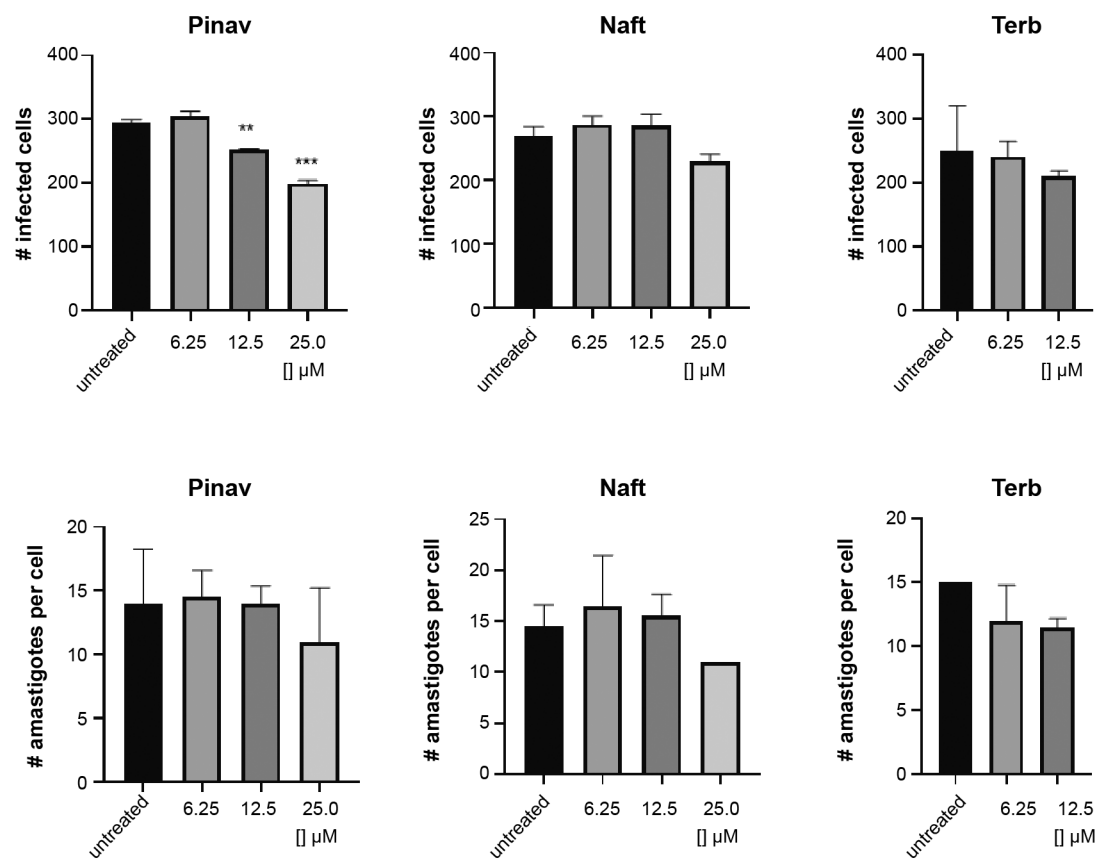


Fig. 2: effect of Pinav, Naft and Terb on infection persistence. Up: Number of infected cells after 24 hours of treatment with the indicated concentrations of the indicated entities. Down: Number of amastigotes per cell on already infected cells incubated with different concentrations of the indicated entities after 24 hours of incubation. Two independent experiments were performed. In each experiment, at least 400 cells were counted per experiment. ANOVA Test: (**) = $p < 0.01$, (***) = $p < 0.001$.