

Effect on Platelet Aggregation

In this guide

[In this guide](#)

- 1. [Traditional/culinary uses of ginger](#)
- 2. [Extracts and concentrates of ginger](#)
- 3. [Effect on CYPs and prostaglandin activity](#)
- 4. [Effect on Platelet Aggregation](#)
- 5. [Herb-drug interactions](#)

Author	Test System	Study size	Exposure	Characterisation of test substance	Main outcome measure	Outco
Srivas, 1984	Human platelets and rat aorta.	NA	15-20 ul (concentrations not given).	Ginger extracts in water, n-hexane, chloroform, and ethyl acetate.	Effect of ginger extracts on <i>in vitro</i> platelet aggregation.	Inhibi arach acid (epine aden dipho (ADP) collag induc plate aggre

Srivastava, 1986	Platelet rich plasma (no further information given).	NA	10-20 ul (concentrations not given).	NA	Effect of ginger and components on platelet aggregation and eicosanoid biosynthesis.	Reduced thrombus formation from exogenous AA; Inhibition of AA-induced epinephrine and ADP and collagen-induced platelet aggregation.
Suekawa <i>et al.</i> , 1986 (abstract only)	Rat hind paw and aorta, rabbits.	Unknown.	Unknown.	6-shogaol.	Effect of 6-shogaol on arachidonic acid cascade.	Inhibition of carrageenan-induced paw swelling in rats and arachidonic acid (AA)-induced platelet aggregation in rabbits. Inhibition of prostaglandin 12 (PGI ₂) release from aorta. Possible cause of COX inhibition.

								Serum reduc both levels
						ex vivo effect of aqueous extract of ginger on the synthesis of		dose signif reduc serum both and l
Thomson <i>et al.</i> , 2002	Sprague- Dawley rats, Adult, F; <i>ex vivo</i> .	36	50 mg/kg or 500 mg/kg daily by gavage or intraperitoneally (IP) for 4 weeks.	Aqueous ginger extract, equivalent of 500 mg/ml.		thromboxane- B2, prostaglandin- E2, and cholesterol, triglyceride levels in the serum of normal rats.		non- signif reduc the le TXB2 obser when was i IP but signif differ from group
								signif reduc levels chole in rat high c
NA	NA	NA	NA	NA	NA	NA	NA	No sig chang trigly levels eithe eithe or IP.