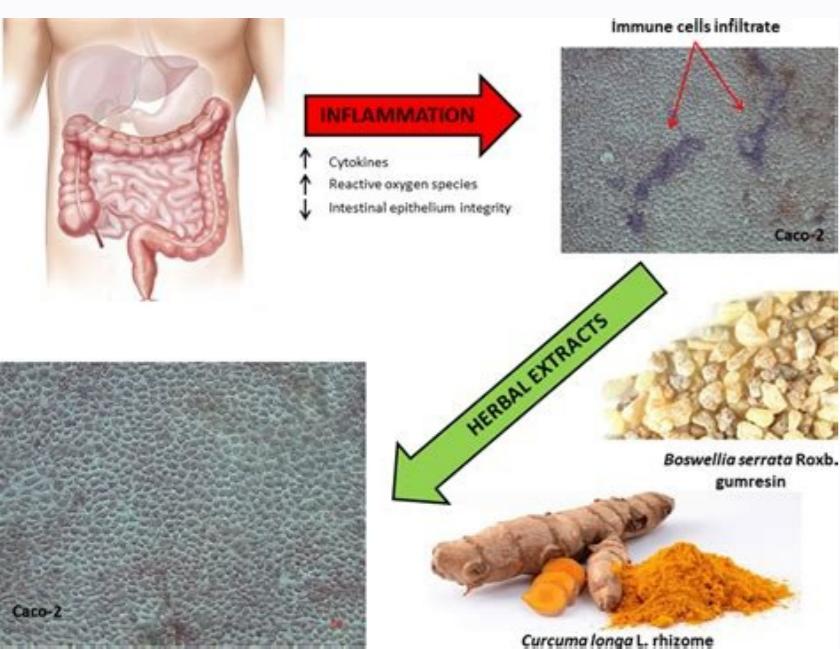


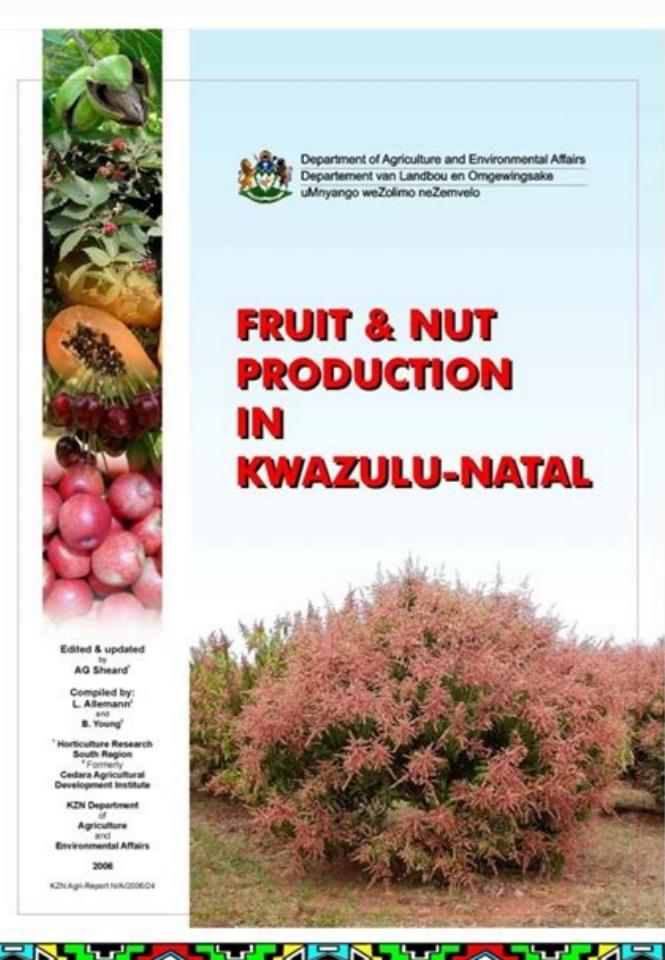
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No.	Activity	MOA	Formulations
	Anti-inflammatory	↓ 5-LO, ↓ 5-LOX ↓ COX-2 ↓ Pro-inflammatory cytokines ↓ TNF-α, ↓ IL-β	Tablet/herbal gel
	Antimicrobial	↓ Antimicrobial peptide LL-37	Gel/cream/silver nanoparticle
	Anticancer	↓ NF-κB AKBA ↓ VEGFR2 Demethylation and reactivation of methylation silenced tumor suppressor genes	Solid lipid nanoparticle
	Improving memory	↑ GSH content	Tablet
	Antioxidant	Regulating the Nrf2/HO-1 pathway	Silver nanoparticles

LO: 5-Lipoxygenase, HLE: Human leukocyte elastase, 5-LOX: 5-Liperoxidase
TNF-α: Tumor necrosis factor-α, (IL-β): Interleukin-1 beta, COX-2: cyclooxygenase-2, NF-κB: Nuclear factor-kappa B, VEGFR2: Vascular endothelial growth factor receptor 2, GSH: Glutathione, Nrf2: The nuclear



Condition	
chloromethane	3–4 h
ether Water	50–1000 m
	solvent use
methanol Methanol	50–300 ml
	solvent 2–3
	20–25 kHz
	150–200 W
zide	100–250 bar
	40–45°C

Inference	
ferric chloride,	Reddish-green co
nic acid	Reddish-
boric acid, magnesium	Reddish-
sulfuric acid	Color ch
ide	The app
Formic acid	Formatic
potassium iodide	The form

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