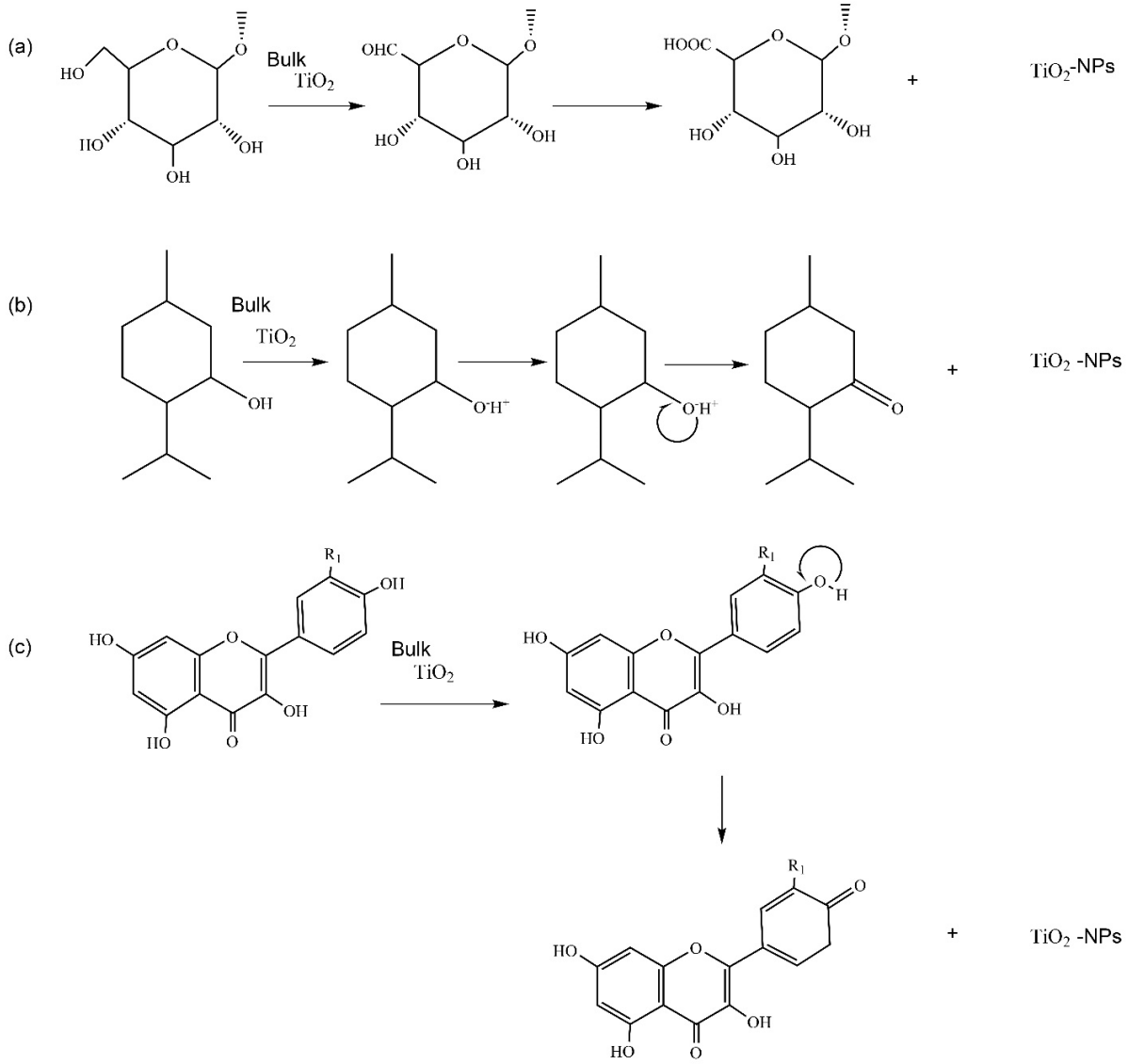
Supplementary Table S1. Qualitative phytochemical screening of *Ocimum sanctum* extract

S/No	Bioactive phytochemicals	Test /Reagents	Result
1	Alkaloids	Mayer's reagent	+
2	Flavonoids	Alkaline reagent test	+
3	Saponins	Frothing test	+
4	Tannins	a) Lead acetate test b) Ferric chloride test	+
5	Terpenoids & Steroids	Salkowski test	+
6	Phenols	Ferric chloride test	+
7	Anthraquinones	Bontrager's test	-
8	Proteins	Biuret's test	+
9	Carbohydrate	Felhing's test	+
10	Fixed oil or fatty acid	Spot test	+

Note: +Present, and - Absent.1



Supplementary Figure S1. Proposed bioproduction mechanism for TiO_2NPs by phytochemicals. (a). Biosynthesis of TiO_2 through saponins mediated bio-reduction. (b). Biosynthesis of TiO_2 through terpenoids mediated bio-reduction. (c). Biosynthesis of TiO_2 through flavonoids mediated bio-reduction.