

Supplemental Table S2: Active ingredients with melanogenesis and/or tyrosinase inhibition activity in FUBRS

Active ingredients	References
Succinic acid	(Zarubina et al. 2012)
Lactic Acid	(Chan et al. 2014; Lee et al. 2024)
Glucose	(Lee et al. 2020)
Myo-Inositol	(Jun et al. 2011)
Alanine	(Ishikawa et al. 2007)
Pyruvic acid	(Zhou & Sakamoto 2019)
Trehalose	(Bin et al. 2016; Ohtake & Wang 2011)
3-Phenyllactic acid	(Shin et al. 2023)
Leucine	(Ishikawa et al. 2007)
Oleic acid	(Ando et al. 2006)
Acetic acid	(Lee et al. 2024)
Linoleic acid	(Ando et al. 1999)
Salicylic acid	(Liu et al. 2021)
Vanillic acid	(Liu et al. 2019)
γ -aminobutyric acid	(Molagoda et al. 2021)
<i>p</i> -Hydroxybenzoic acid	(Park et al. 2012)

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