

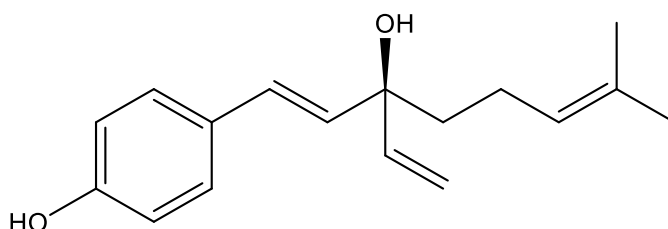
Catalog # 10-3161

Bakuchiol

CAS# 10309-37-2

(S)-Bakuchiol, 4-[(1E,3S)-3-Ethenyl-3,7-dimethyl-1,6-octadien-1-yl]phenol

Lot # X108295



Natural terpenoid antioxidant.¹ Inhibits oxidative stress-induced decrease in mitochondrial membrane potential and associated release of pro-apoptotic factors.² Protects against acute lung injury.³ Displays neuroprotective and anti-inflammatory effects.⁴

- 1) Adhikari *et al.* (2007), *Physico-chemical studies on the evaluation of the antioxidant activity of herbal extracts and active principles of some Indian medicinal plants*; J. Clin. Biochem. Nutr., **40** 174
- 2) Kim *et al.* (2013), *Protective effects of the compounds isolated from the seed of Psoralea corylifolia on oxidative stress-induced retinal damage*; Toxicol. Appl. Pharmacol., **269** 109
- 3) Zhang *et al.* (2017), *Bakuchiol protects against acute lung injury in septic mice*; Inflammation, **40** 351
- 4) Kim *et al.* (2016), *Quantitative Analysis of Psoralea corylifolia Linne and its Neuroprotective and Anti-Neuroinflammatory Effects in HT22 Hippocampal Cells and BV-2 Microglia*; Molecules, **21** E1076

PHYSICAL DATA

Molecular Weight:	258.42
Molecular Formula:	C ₁₇ H ₂₂ O ₂
Purity:	>95% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 20 mg/ml)
Physical Description:	Colorless oil
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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