

# A Review on Phoracantholide I Derivatives

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**Abstract:** *Phoracantholide I is a ten-membered lactone ring found in the highly odoriferous secretion from the metasternal gland of the eucarypt longicorn, Phoracanthasynonyma, as the defence fluid. Moore and Brown reported the elucidation of their structures, with the exception of their stereochemistry at the C-9 position. Although multiple (±)-1 and (±)-2 syntheses have been reported, optically active 1 and 2 have yet to be synthesized, thus the stereochemistry at the C-9 site is unknown. The goal of this review is to look into recent breakthroughs in the field of synthesis of Phoracantholide I.es.*

**Keywords:** Phoracantholide, Lactone, Natural products

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