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On the biosynthetic origin of carminic acid

Silas A. Rasmussen, Kenneth T. Kongstad, Paiman Khorsand-Jamal, Rubini Maya Kannangara, Majse Nafisi, Alex Van Dam, Mads Bennedsen, Bjørn Madsen, Finn Okkels, Charlotte H. Gotfredsen, Dan Staerk, Ulf Thrane, Uffe H. Mortensen, Thomas O. Larsen, Rasmus J.N. Frandsen



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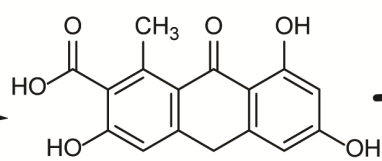
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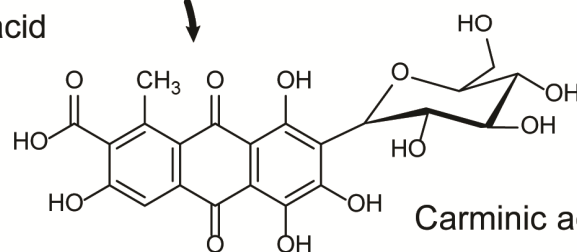
1 x acetyl-CoA
7 x malonyl-CoA

**Polyketide
synthase
(PKS)**



Flavokermesic acid
anthrone

Monooxygenase
C-glucosyltransferase



Carminic acid

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