7219 (Miscellaneous)

Name: Caulerpin

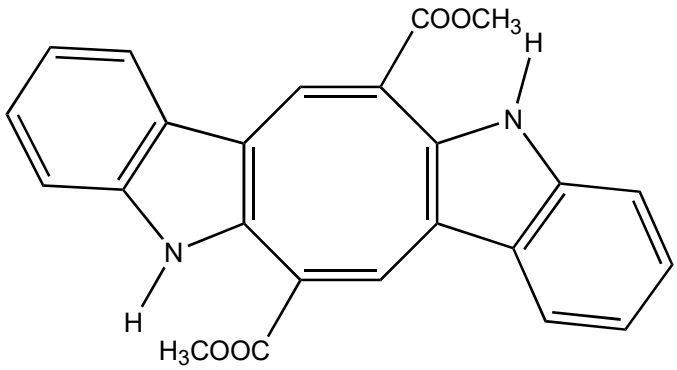
Origin: *Laurencia heteroclada* (Tangalle on the southern coastof Sri Lanka, Sri Lanka)[1,2];
Chondoria armata (the west coast of India. 15°51'N to 15°54' N and 73°51'E to 73°52'E, India)[3];
Caulerpa racemosa, C. serrulata, and *C. sertularioides* (Hawaii?)[4];

Formula: $C_{24}H_{18}N_2O_4$

Mol. Wt.: 398.41

Opt. Rot.:

Mp.: 313-317[1]; 316-318 (from petroleum ether-ethyl acetate)[3]; 317 (from acetone)[4]



References and Notes

(1) Haroon, M. H. and Dharmaratne, H. R. W. 2013. Proceedings of the 3rd International Symposium of South Eastern University of Sri Lanla, **3**, 59-62. New brominated sesquiterpenes from the red alga *Laurencia heteroclada* Harvey, and their immunosuppressive activity studies. (**^{1}H-NMR**) (together with rearranged cuparane derivative 1, algoane, caulerpin)

(2) Haroon, M. H., Dharmaratne, H. R. W., Mohammad, M. Y., and Choudhary, M. I. 2021. Nat. Prod. Res., **35**, (12) 2020-2027. Allelopathic activity of some Sri Lankan seaweed extracts and the isolation of a new brominated nonaromatic isolaurene type sesquiterpene from red alga *Laurencia heteroclada* Harvey. (together with two rearranged cuparane derivatives, algoane, caulerpin, cholesterol)

(3) Govenkar, M. B. and Wahidulla, S. 2000. Phytochemistry, **54**, 979-981. Constituents of *Chondria armata*. (**IR, ^{1}H-NMR, ^{13}C-NMR, MS**) (together with pentyl hentriacontanoate, caulerpin)

(4) Santos, G. A. 1970. J. Chem. Soc. (C), **1970**, 842-843. Caulerpin, a new red pigment from green algae of the genus *Caulerpa*. (**UV, IR, ^{1}H-NMR, ^{13}C-NMR, MS**)