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Aurasperone - A from endophytic fungus strain SW11 isolated from brown alga *Sargassum wightii*

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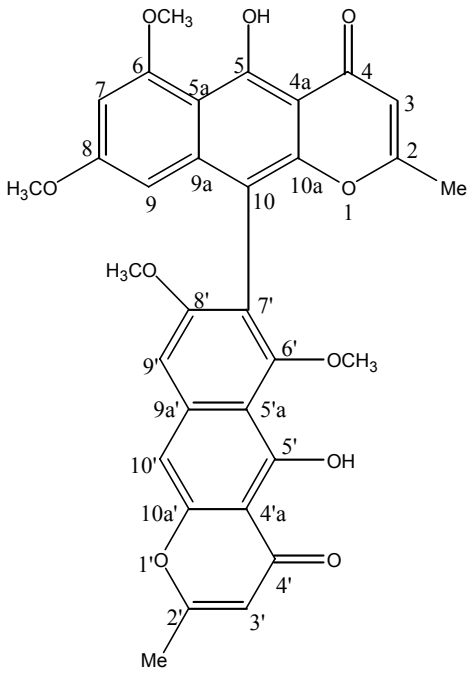
As a continuation of our research work on endophytic fungi from seaweeds, brown alga *Sargassum wightii* Greville was collected from Tangalle and an endophytic fungal strain was isolated. The isolated fungus (SW11) was cultured in large scale and extracted with EtOAc to give the EtOAc extract as a brownish yellow gum. It was subjected to normal column chromatography using increasing amount of MeOH in dichloromethane followed by repeated reverse phase column chromatography on RP -18 to give a dark yellow compound (SWR-1) as a minor compound. SWR-1 showed molecular mass at m/z 570.0 and NMR spectral analysis confirmed it to be aurasperone-A, which has been previously reported from *Aspergillus niger*. SWR-1 was subjected to luminal - based chemiluminsence (CL) assay. Our results showed that SWR-1 (IC_{50} >100 µg/ml) did not show a potential suppressive effect on whole blood. However, it showed potential suppressive effect (IC_{50} = 34.1±11.7 µg/mL) on polymorph nuclear cells (PMNs) assay.



Aurasperone-A