

## **Cytochrome P450 2D6 inhibitory constituents of *Lunasia amara***

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From a MeOH extract of *Lunasia amara*, which showed the cytochrome P450 2D6 (CYP2D6) inhibition, 14 acridone alkaloids including two new alkaloids [5-hydroxygraveoline (**1**) and 8-methoxyifflaiamine (**2**)] were identified. Among the 14 acridone alkaloids, 5-hydroxygraveoline (**1**) and lunamarine (**3**) showed moderate inhibition selective for CYP2D6, with IC<sub>50</sub> values of 4.7 μM and 1.8 μM, respectively.

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