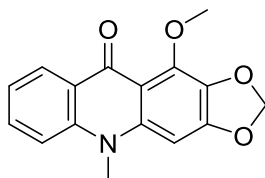


Evoxanthine

Code No.: **BIA-E1753**

Pack sizes: **1 mg, 5 mg**



Synonyms : NSC 407812

Specifications

CAS #	: 477-82-7
Molecular Formula	: C₁₆H₁₃NO₄
Molecular Weight	: 283.3
Source	: <i>Evodia alata</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Evoxanthine is a furoacridone alkaloid isolated from *Evodia xanthoxyloides* by Hughes and Neill, University of Sydney, Australia in 1949. Evoxanthine is active against Gram-positive and Gram-negative bacteria, including *E. coli*, *B. subtilis* and *M. luteus*, however its bioassay profile has not been extensively investigated.

References

1. Alkaloids of the Australian Rutaceae: *Evodia xanthoxyloides*. I. Evoxanthine. Hughes G.K. & Neill K.G., Aust. J. Sci. Res. 1949, 2, 429.
2. Alkaloids of the Australian Rutaceae. Hughes G.K. et al., Nature 1948, 162, 223.
3. Cytotoxicity of a naturally occurring furoquinoline alkaloid and four acridone alkaloids towards multi-factorial drug-resistant cancer cells. Kuete V. et al., Phytomed. 2015, 22, 946.
4. Antimicrobial furoquinoline alkaloids from *Vepris lecomteana* (Pierre) Cheek & T. Heller (Rutaceae). Kouam A.D.K. et al., Molecules 2018, 23, 13.