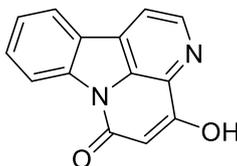


4-Hydroxycanthin-6-one

Code No.: **BIA-H1963**

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



Synonyms :

Specifications

CAS #	: 106941-27-9
Molecular Formula	: C ₁₄ H ₈ N ₂ O ₂
Molecular Weight	: 236.23
Source	: <i>Pantaceras australis</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

4-Hydroxycanthin-6-one is a member of the canthin-6-one family isolated from *Pentaceras australis* Hook and its structure identified by Nelson and Price, CSIRO, Australia in 1952. Members of the family have been shown to bind to the benzodiazepine receptors of rat brain, to inhibit cAMP and to have anti-inflammatory activity and antimicrobial activity against Gram positive organisms and mycobacteria.

References

1. Alkaloids of the Australian Rutaceae: *Pentaceras australis*. III. Identification of 4-Methylthiocanthin-6-one. Nelson E.R. & Price J.R. Aust J Sci Res, Ser B: Biol Sci 1952, A5, 768.
2. Biomimetic approach to potential benzodiazepine receptor agonists and antagonists. Guzman F. et al. J Med Chem. 1984, 27, 564.
3. A new canthinone-type alkaloid isolated from *Ailanthus altissima* Swingle. Kim H.M. et al. Molecules 2016, 21, 642/1-642/10.