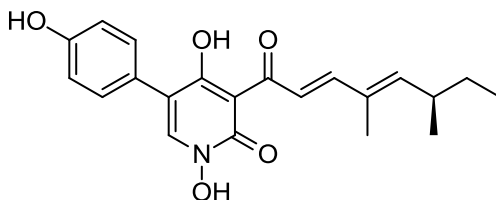


## Tenellin

Code No.: **BIA-T1566**

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



Synonyms :

## Specifications

CAS #	: <b>53823-15-7</b>
Molecular Formula	: <b>C<sub>21</sub>H<sub>23</sub>NO<sub>5</sub></b>
Molecular Weight	: <b>369.4</b>
Source	: <b><i>Beauveria</i> sp.</b>
Appearance	: <b>Yellow solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

## Application Notes

Tenellin is a yellow pigment produced by species of the genus *Beauveria*, isolated and reported by Canadian researchers in 1968. Structure elucidation in 1977 showed that tenellin belongs to the rare 4-hydroxypyridone class containing a dienone side chain. Little has been published on the biological activity of tenellin despite the extensive use of *Beauveria* species, capable of producing tenellin, as biocontrol agents for agrochemical pests.

## References

1. Pigments of the genus *Beauveria*. El Basyouni S.H. et al., *Canad. J. Bot.* 1968, 46, 441.
2. The yellow pigments of *Beauveria* species. Structures of tenellin and bassianin. Wat C-K. et al., *Canad. J. Chem.* 1977, 55, 4090.
3. 4-Hydroxy-2-pyridone alkaloids: Structures and synthetic approaches. Jessena H.J. and Gademann K. *Nat. Prod. Rep.* 2010, 27, 1168.