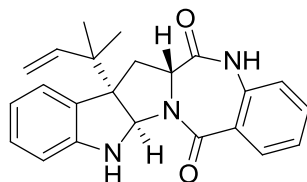


Aszonalenin

Code No.: **BIA-A1686**

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



Synonyms : Aszonalenine; NSC 374337

Specifications

CAS #	: 81797-27-5
Molecular Formula	: C₂₃H₂₃N₃O₂
Molecular Weight	: 373.5
Source	: <i>Neosartorya spinosa</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Aszonalenin is a complex benzodiazepine metabolite isolated from *Aspergillus zonatus* by Kimura and co-workers at Tottori University, Japan in 1982. Structurally, aszonalenin is formed from an intra-molecular ring closure of anthranilic acid and L-tryptophan to form the pyrrole, followed by prenylation. At high concentration aszonalenin has been shown to induce an abnormal second cleavage of sea urchin embryos but its pharmacology has otherwise received scant attention.

References

1. Structure of aszonalenin, a new metabolite of *Aspergillus zonatus*. Kimura Y., Tet. Lett. 1982, 23, 225.
2. The synthesis of (-)-dihydroaszonalenin from L-tryptophan; the relative and absolute configuration of aszonalenin. Bhat B. and Harrison D.M., Tetrahedron 1993, 49, 10655.
3. Stereospecific synthesis of aszonalenins by using two recombinant prenyltransferases. Yin W-B. et al., Org. Biomol. Chem., 2009, 7, 2202.