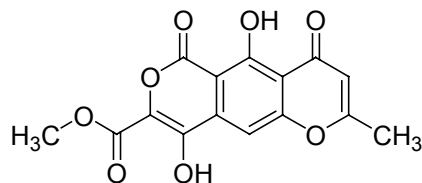


Lateropyrone

Code: **BIA-L1128**

Pack sizes: **5 mg, 25 mg**



Synonyms : **Avenacein Y, Antibiotic Y**

Specifications

CAS # : **93752-78-4**
Molecular Formula : **C₁₅H₁₀O₈**
Molecular Weight : **318.2**
Source : ***Fusarium* sp. MST-FP1898**
Appearance : **Tan solid**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **DMSO and DMF, partially soluble in methanol and ethanol while poorly soluble in water**

Application Notes

Lateropyrone is an unusual heterocyclic metabolite isolated from *Fusarium avenaceum* with antibacterial and antifungal activity. The metabolite was independently characterised as Antibiotic Y and found to be an important metabolite marker for strains of *F. avenaceum*. Lack of availability has hitherto restricted a more intensive investigation of this metabolite.

References

1. Pyrones. X. Lateropyrone, a new antibiotic from the fungus *Fusarium lateritium* Nees. Bushnell, G.W. et al. *Can. J. Chem.*, **1984**, 62, 2101.
2. Structural elucidation of an antibiotic from *Fusarium avenaceum* Fries Sacc.; an amended structure for lateropyrone. Gorst-Allman, C.P. et al., *S. Afr. J. Chem.*, **1986**, 39, 116.
3. Multiple regression analysis as a tool for the identification of relations between semi-quantitative LC-MS data and cytotoxicity of extracts of the fungus *Fusarium avenaceum* (syn. *F. arthrosporioides*). Uhlig S. et al. *Toxicon*. **2006**, 48, 567.