

Product Name: Lateropyrone

Product Number: L027

CAS Number: 93752-78-4

Molecular Formula: C₁₅H₁₀O₈

Molecular Weight: 318.2

Appearance: Tan solid

Storage Conditions: -20°C

Description: 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.

Lateropyrone is soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

References: Pyrones. X. Lateropyrone, a new antibiotic from the fungus *Fusarium lateritium* Nees. Bushnell, G.W. et al. *Can. J. Chem.*, 1984, 62, 2101.

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.

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.