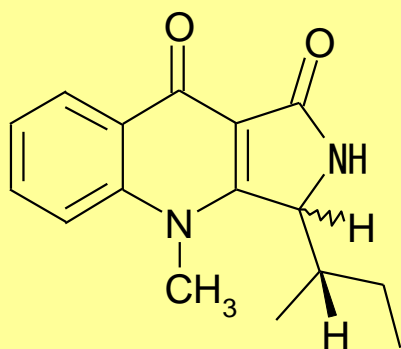


Quinolactacin A

Cat.# BLK1140

Structure

**Origin:** Penicillium citrinum.**CAS Registry Number:** none**CA Index Name:****Appearance:** Yellowish solid**Molecular Formula/ Weight:** C₁₆H₁₈N₂O₂=270.3**Melting Point:** 236-239°C **Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml ethanol, methanol, DMSO**pKa:****log P:****Background Information:**

Quinolactacin A, Quinolone antibiotic, was isolated from *Penicillium* sp., and it has epimerisation of quinolactacins A1 and A2. This compound shows inhibitory activity against tumor necrosis factor (TNF) production induced by murine peritoneal macrophages and macrophage-like J774.1 cells stimulated with lipopolysaccharide (LPS).

Handling and Storage:

Store at -20°C.

References:

1. J Antibiot (Tokyo). 2000 Nov;53(11):1247-51.
2. J Antibiot (Tokyo). 2000 Nov;53(11):1252-6.
3. J Antibiot (Tokyo). 2001 Oct;54(10):831-5.
4. J Org Chem. 2003 May 30;68(11):4523-6.
5. J Antibiot (Tokyo). 2006 Jul;59(7):418-27.
6. Org Biomol Chem. 2006 Apr 21;4(8):1512-9.

Manufactured with Cortesy strain from The Kitasato Institute.