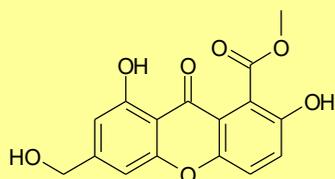


Sydowinin B (MS-347b)

Cat.# BLK-1670

Structure



Origin: Aspergillus udagawae.

CAS Registry Number: 58450-00-3

Appearance: yellow solid

Molecular Formula/ Weight: C₁₆H₁₂O₇=316.27

Purity: >95.0% by HPLC

Solubility: Sol. in 1mg/ml ethanol, methanol, DMSO

Background Information:

Sydowinin B is a fungal xanthone derivative whose structure was established in 1975 by chemical and spectroscopic analyses as methyl-1,7-dihydroxy-3-hydroxymethyl-xanthone-8-carboxylate¹). It has been reported to exhibit moderate inhibitory activity against protein tyrosine phosphatase-1B (PTP-1B) and to show low to moderate cytotoxicity in cell-based assays^{2, 3}). Sydowinin B has also been used as a reference compound in studies of microbial metabolite extraction and analysis⁴).

Handling and Storage:

Store at -20°C.

References:

1. Agric. Biol. Chem. 1975, 39, 2341–2345.
2. ACS Omega 2021, 6, 22969–22981.
3. Toxins 2018, 10, 526.
4. J. Chromatogr. A 1995, 697, 115–122.

Manufactured with Cortesy strain from The Kitasato Institute.