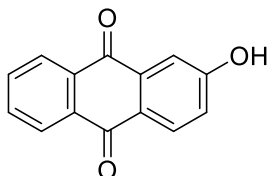


2-Hydroxyanthraquinone

Code No.: **BIA-H2305**

Pack sizes: **25 mg, 100 mg**



Synonyms : NSC 2595, β -Hydroxyanthraquinone

Specifications

CAS #	: 605-32-3
Molecular Formula	: C ₁₄ H ₈ O ₃
Molecular Weight	: 224.21
Source	: <i>Rubia tinctorum</i>
Appearance	: Orange solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

2-Hydroxyanthraquinone is a pigment originally reported from the roots of *Oldenlandia umbellata* and subsequently found to be produced by *Streptomyces* spp. 2-Hydroxyanthraquinone is potently active against Gram negative bacteria, including clinical isolates of *E. coli* and *Klebsiella pneumoniae*. 2-Hydroxyanthraquinone is active against the fungi *C. albicans*, *A. flavus* and *M. pachydermatis* and shows moderate cytotoxic activity in vitro against A549 lung and COLO320 cells.

References

1. LXXXVIK. The colouring and other principles contained in Chay root. Perkin A.J. & Hummel J.J. J Chem Soc Trans. 1893, 63, 1160.
2. Isolation and characterization of 2-hydroxy-9,10-anthraquinone from *Streptomyces olivochromogenes* (ERINLG-261) with antimicrobial and antiproliferative properties. Chandrasekar B. et al. Brazil J Pharmacognosy 2016, 26, 285.