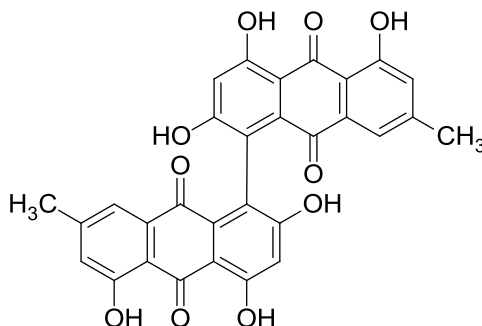


Skyrin

Code No.: **BIA-S1662**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Endothianin; Rhodophyscin; Skirin

Specifications

CAS #	: 602-06-2
Molecular Formula	: C ₃₀ H ₁₈ O ₁₀
Molecular Weight	: 538.5
Source	: <i>Phanerochaete</i> sp.
Appearance	: Orange solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Skyrin is a bright orange mycotoxin pigment first reported from *Penicillium islandicum* but since reported in a broad cross-section of fungal genera and lichens. Its name is derived from skyr, an Icelandic bacterial soured milk, a mouldy sample of which provided the Sopp type strain of *P. islandicum*. Skyrin is a bisanthraquinone which degrades to two molecules of emodin on treatment with sodium dithionite. Its structure was resolved by Shibata and co-workers in 1955. Skyrin is an important metabolite for the detection of mycotoxins.

References

1. Studies in the biochemistry of micro-organisms 91. The colouring matters of *Penicillium islandicum* Sopp. Part 3. Skyrin and Flavoskyrin. Howard B.H. and Raistrick H., *Biochem J.* 1954, 56, 56.
2. Metabolic products of fungi. V. The structure of skyrin. Shibata S. et al., *Pharm. Bull.* 1955, 3, 278.
3. Dereplication of microbial natural products by LC-DAD-TOFMS. Nielsen K.F. et al., *J. Nat. Prod.* 2011, 74, 2338.