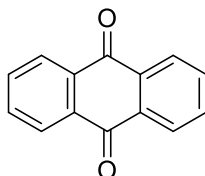


Anthraquinone

Code No.: **BIA-A2307**

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



Synonyms : 9,10-Anthraquinone, Anthracene-9,10-quinone, Anthradione, NSC 7957

Specifications

CAS #	: 84-65-1
Molecular Formula	: C₁₄H₈O₂
Molecular Weight	: 208.21
Source	: <i>Rubia tinctorum</i>
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Anthraquinone is isolated from *Rubia tinctorum*, among other sources. Anthraquinone is an intermediate in the manufacture of dyes and has been used as a bird repellent. The anthraquinone scaffold is a privileged structure in medicinal chemistry targeting nucleotide-binding proteins, and the substitution pattern, particularly in the 4-position, can direct its interaction with specific targets.

References

1. *Rubia tinctorum* L. Derksen G.C.H. & van Beek T.A. Studies in Natural Product Chemistry 2002, 26, 629.
2. Anthraquinones as pharmacological tools and drugs. Malik E.M. and Mueller C. Med. Res. Rev. 2016, 36, 705.
3. Anthraquinones as a privileged scaffold in drug discovery targeting nucleotide-binding proteins. Baqi Y. Drug Discovery Today 2016, 21, 1571.