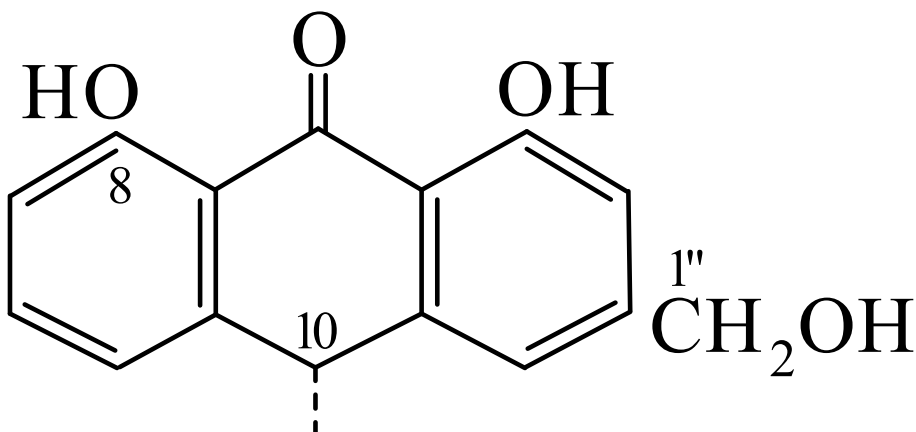




>>Entry Name: Aloin, BAN

ENTRY UNDER REVIEW

**Synonym(s):** 10-β-D-Glucopyranosyl-1,8-dihydroxy-3-(hydroxymethyl)-9(10*H*)-anthracenone, 9Cl. Barbaloin. Socaloin. Ugandaloin. Jafaloin. Cafaloin



(10*R*)-form

**CAS Registry Number:** 8015-61-0

**Related CAS Registry Numbers(s):** 5133-19-7 73889-54-0 138373-24-7

**Molecular Formula:** C<sub>21</sub>H<sub>22</sub>O<sub>9</sub>

**Molecular Weight:** 418.399

**Accurate Mass:** 418.126385

**Percentage Composition:** C 60.28%; H 5.30%; O 34.42%

Aloin B. Aloin A can also be obt. by cryst. from MeOH

**Biological Source:** Constit. of various *Aloe* spp.

**Use/Importance:** Purgative, laxative

**Solubility:** BERDY SOL: Sol. H<sub>2</sub>O

**Calculated Log P Data:** Log P -1.88 (calc)

**Hazard & Toxicity:** BERDY HAZD : LD<sub>50</sub> (mus, ivn) 200 mg/kg

>>Variant: (10*R*)-form

**Synonym(s):** Aloin B. Isobarbaloin. β-Barbaloin

**CAS Registry Number:** 28371-16-6

**Molecular Formula:** C<sub>21</sub>H<sub>22</sub>O<sub>9</sub>

**Molecular Weight:** 418.399

**Accurate Mass:** 418.126385

**Percentage Composition:** C 60.28%; H 5.30%; O 34.42%

**Melting Point:** Mp 138-140° (block)