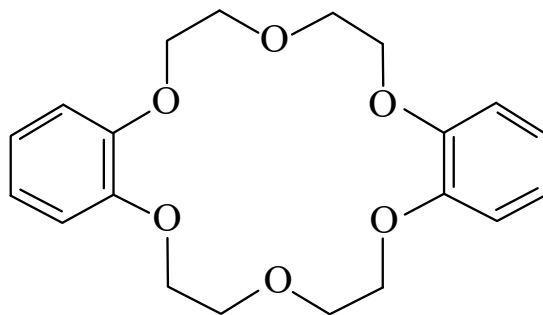




**>>Entry Name: Dibenzo-18-crown-6**

**Synonym(s):** 6,7,9,10,17,18,20,21-Octahydrodibenzo[*b,k*][1,4,7,10,13,16]hexaoxacyclooctadecin, 9Cl, 8Cl. 2,3,11,12-Dibenzo-1,4,7,10,13,16-hexaoxacyclooctadeca-2,11-diene. Crown 18



**CAS Registry Number:** 14187-32-7

**Molecular Formula:** C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>

**Molecular Weight:** 360.406

**Accurate Mass:** 360.15729

**Percentage Composition:** C 66.65%; H 6.71%; O 26.64%

**Use/Importance:** Used for extraction, separation of alkali and alkaline-earth metals

**Physical Description:** Fibrous needles (C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 162.5-163.5°

**Solubility:** Sol. C<sub>6</sub>H<sub>6</sub>, CHCl<sub>3</sub>, dioxan, Py; sl. sol. H<sub>2</sub>O, EtOH

**Hazard & Toxicity:** Eye and skin irritant. LD<sub>50</sub> (rat, orl) 2600 mg/kg

**Aldrich:** 15839-9

**Fluka:** 33531

**Sigma:** D3262

**References:**

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