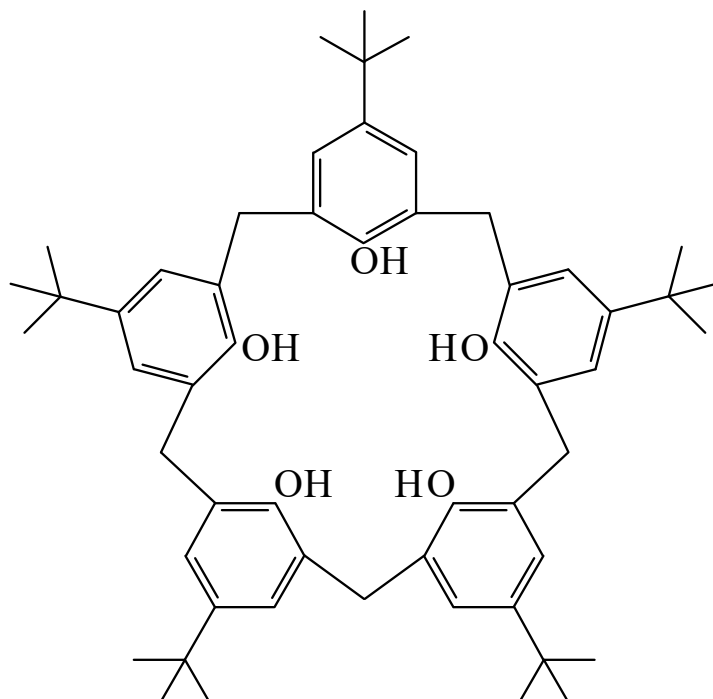




>>Entry Name: 5,11,17,23,29-Pentakis(1,1-dimethylethyl)hexacyclo[25.3.1.1<sup>3,7</sup>.1<sup>9,13</sup>.1<sup>15,19</sup>.1<sup>21,25</sup>]pentatriaconta-1(31),3,5,7(35),9,11,13(34),15,17,19(33),21,23,25(32)27,29-pentadecaene-31,32,33,34,35-pentol

Synonym(s): *p*-tert-Butylcalix[5]arenepentol. *p*-tert-Butylcalix[5]arene. Pentahydroxy-*p*-tert-butylcalix[5]arene



CAS Registry Number: 81475-22-1

Molecular Formula: C<sub>55</sub>H<sub>70</sub>O<sub>5</sub>

Molecular Weight: 811.155

Accurate Mass: 810.522325

Percentage Composition: C 81.44%; H 8.70%; O 9.86%

Physical Description: Large diamond-shaped cryst.; cryst. (EtOH), cryst. + 1 propanol (2-propanol)

Melting Point: Mp 310-312°

Hazard & Toxicity: Potentially dangerous synth. (fire hazard)

Fluka: 19719

#### References:

- Ninagawa, A. *et al.*, *Makromol. Chem. Rapid Commun.*, 1982, **3**, 65, (*synth*)  
Stewart, D.R. *et al.*, *Org. Prep. Proced. Int.*, 1992, **25**, 137, (*synth, bibl*)  
Gallagher, J.F. *et al.*, *Acta Cryst. C*, 1994, **50**, 73, (*cryst struct*)  
Iwamoto, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1994, **67**, 1499, (*synth, conformn*)