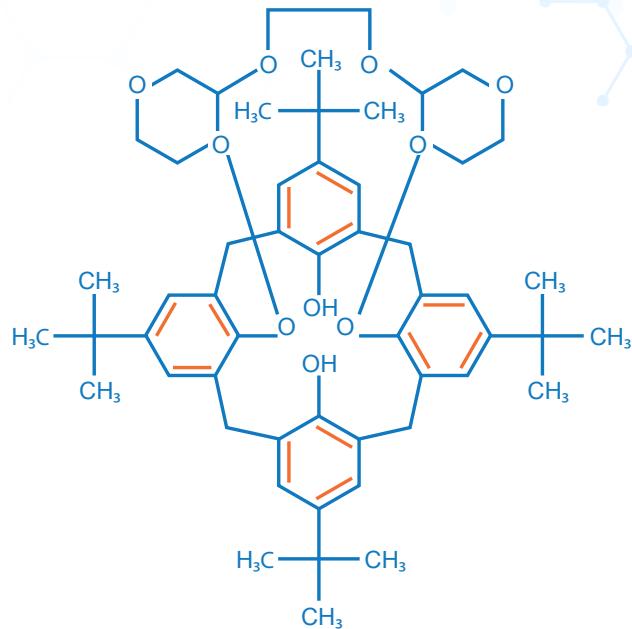


# Calixarenes

## Chelation and Complexation Compounds

### Macrocycles with (Almost) Unlimited Possibilities

Calixarenes are cyclic oligomers made up of phenolic units with four, six, or eight phenol units that are joined by methylene bridges. The beakerlike shape of the most stable conformation of the tetramer has led to them being given the name "calixarenes" (calix = chalice). Resorcinol can undergo condensation in a similar manner with a variety of aldehydes to afford cyclic tetramers with the same basic structure (the resorcinarenes). Non modified calixarenes can be modified by chemical reactions and function as "molecular platforms" to which an almost endless range of functional groups can be fixed.



**4-tert-Butyl-calix[4]arene-crown-6**

CAS: 129518-51-0 | Eburon: 101.370

### Highly versatile in its applications

Calixarenes have been subject to extensive research in development of many extracts, transporters, stationary phases, electrode ionophores and optical and electrochemical sensors, separation of neutral organic molecules, stabilizers for organic polymers, pollution control selective complexation of neutral cations, phase transfer agents, accelerators for instant adhesives, ion scavengers for electronic devices, Langmuir-Blodgett film and membranes, catalytic properties.

### A long list of applications includes:

- Negative resists for high resolution lithography
- Recovery of Lanthanides, Caesium, Uranium in nuclear industry
- Lanthanide sequestration
- Stabilizer for organic polymers
- Separation of neutral organic molecules
- Pollution control
- Selective complexation of metal cations
- Phase transfer agents
- Accelerators for instant adhesives
- Ion scavengers for electronic devices
- Langmuir-Blodgett films and membranes
- Chemistry catalysts
- ...

Cat.Number	CAS	Name
100.120	102088-39-1	4-Sulfonic calix[6]arene
100.160	82452-93-5	Calix(8)arene
100.170	74568-07-3	Calix(4)arene
100.220	96107-95-8	Calix(6)arene
100.400	78092-53-2	4-tert-Butylcalix(6)arene
100.420	137407-62-6	4-Sulfo calix[8]arene hydrate
100.440	60705-62-6	4-tert-Butylcalix(4)arene
100.540	68971-82-4	4-tert-Butylcalix(8)arene
100.550	112269-92-8	4-Sulfonic calix(4)arene
101.290	97600-39-0	4-tert-Butylcalix(4)arene-tetraacetic acid tetraethyl ester
101.300	92003-62-8	4-tert-Butylcalix[6]arenehexaacetic acid hexaethyl ester
101.350	171058-95-0	4-tert-Butyl-calix[4]arene-crown-4
101.360	99314-01-9	4-tert-Butyl-calix[4]arene-crown-5
101.370	129518-51-0	4-tert-Butylcalix(4)-crown-6
101.530	81475-22-1	4-tert-Butylcalix[5]arene
101.540	83933-03-3	Calix[5]arene
101.660	84161-29-5	p-tert-Butylcalix[7]arene
103.620	157769-14-7	Calix[4]-bis-crown-6
103.630	157769-17-0	Calix[4]-bis-1,2-benzo-crown-6
103.640	162898-44-4	Calix[4]-bis-2,3-naphtho-crown-6
103.720	4475-42-7	meso-Octamethylcalix[4]pyrrole
103.730	35320-70-8	Tetrakis(spirocyclohexane)calix(4)pyrrole
104.430	125583-08-6	Calix(4)hydroquinone
104.700	125583-07-5	Calix[4]quinone
105.340	122406-45-5	1,3-Dimethoxy-4-tert-butylcalix(4)arene
108.490	76447-72-8	Tetramethoxyhomothiacalix[4]arene
108.770	-	5,11,17-Tris[(carboxy)methyl]-25-monodecyloxy-26,27,28-trihydroxycalix[4]arene
108.780	-	5,11,17-Tris[(carboxy)methyl]-25-monopropoxy-26,27,28-trihydroxycalix[4]arene
108.930	161282-96-8	1,3-Diisopropoxycalix[4]arene-crown-6
109.500	211561-04-5	4-Sulfothiacalix[4]arene sodium salt
109.900	182496-55-5	4-tert-Butylthiacalix[4]arene

## Ask for different ring size and modifications and functionalization required

We produce custom calixarene and resorcinarene variants to order from lab-scale through pilot-scale and commercial production, backed by a 25 years of global supply-chain, warehousing, QA/QC, certification expertise. We also offer flow chemistry, biocatalysis and electrochemistry technology. We offer process development services and can

work with your technology, integrating our expertise in fine chemicals production and down-stream processing.

Our customer base ranges from small, specialist businesses to some of the world's largest companies. We have successfully forged long-term partnerships with organizations of all sizes.

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