

## TECHNICAL DATA SHEET – CALX8

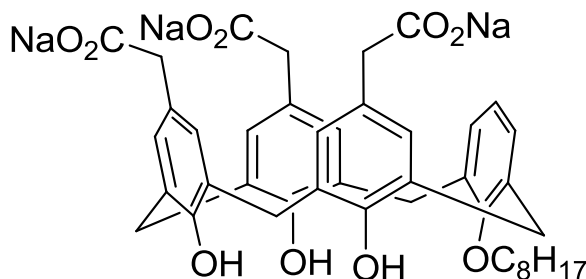
### CALX8

5,11,17-tris[(carboxy)methyl]-25-monoctyloxy-26,27,28-trihydroxycalix[4]arene

2019

#### Information

<b>Compound Name</b>	CALX8	<b>Physical state</b>	Beige powder
<b>Catalogue Number</b> <i>(check availability on CALIXAR's website)</i>	CALX8_50MG, CALX8_100MG, CALX8_250MG	<b>Purity (HPLC, 214nm)</b>	nd
<b>Molec. Formula</b>	C <sub>42</sub> H <sub>43</sub> Na <sub>3</sub> O <sub>10</sub>	<b>Retention time (RP<sub>18</sub> HPLC)</b>	nd
<b>CAS</b>	nd	<b>CMC</b>	2.2 mM
<b>MW</b>	776.7 g/mol	<b>Exact Mass</b>	776.2549
<b>pKa</b>	na		
<b>Percent composition</b>	C, 64.94; H, 5.58; N, 8.88; O, 20.60		
<b>Stability</b>	Store in <-20°C freezer for up to one year		
<b>Solubility</b>	Soluble in methanol, DMSO and water.		
<b>Structure</b>			



#### References

1- Desuzinges Mandon E. et al. Novel systematic detergent screening method for membrane proteins solubilization. *Anal Biochem.* 2017 Jan 15 ; 517:40-49.

#### Biochemical Validation Data



#### Membrane protein solubilization from Sf9 membranes.

The target was extracted from Sf9 membranes by using CALX8 reagent at 10-fold the critical micelle concentration (cmc). After solubilization, samples were centrifuged at 100000g. Proteins from pellets (P) and supernatants (S) were separated on a 4-15% Tris-glycine SDS-PAGE, transferred to PVDF membrane and immunodetected with a specific antibody

T = total, P = pellet, S = supernatant.

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