

## TECHNICAL DATA SHEET – CALX8

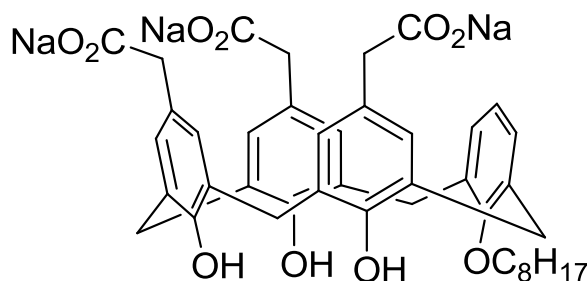
### CALX8

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

2019

#### Information

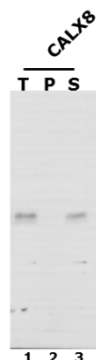
|   |   |  |              |
|---|---|--|--------------|
| <b>Compound Name</b>  | CALX8   | <b>Physical state</b>                        | Beige powder |
| <b>Catalogue Number</b><br><i>(check availability on CALIXAR's website)</i> | CALX8_50MG,<br>CALX8_100MG,<br>CALX8_250MG                      | <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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