

TECHNICAL DATA SHEET – CALX8

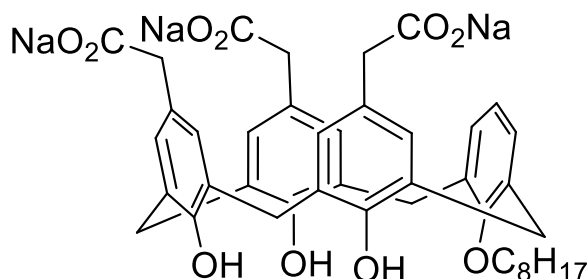
CALX8

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

2021

Information

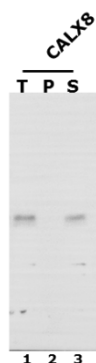
Compound Name	CALX8	Physical state	Beige powder
Catalogue Number <i>(check availability on CALIXAR's website)</i>	CALX8_50MG, CALX8_100MG, CALX8_250MG	Purity (HPLC, 214nm)	95 %
Molec. Formula	C ₄₂ H ₄₃ Na ₃ O ₁₀	Retention time (RP₁₈ HPLC)	nd
CAS	nd	CMC	0.85 mM
MW	776.7 g/mol	Exact Mass	776.2549 g/mol
pKa	na		
Percent composition	C, 64.94; H, 5.58; N, 8.88; O, 20.60		
Stability	Store in <-20°C freezer		
Solubility	Soluble in methanol, DMSO and water.		
Structure			



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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