

TECHNICAL DATA SHEET – CALX8

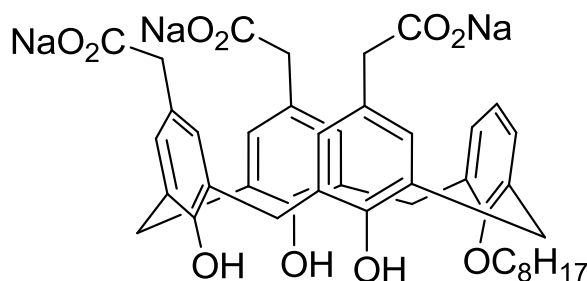
CALX8

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

2019

Information

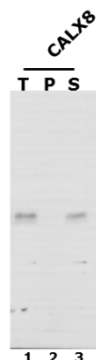
Compound Name	CALX8	Physical state	Beige powder
Catalogue Number <i>(check availability on CALIXAR's website)</i>	CALX8_50MG, CALX8_100MG, CALX8_250MG	Purity (HPLC, 214nm)	95%
Molec. Formula	C ₄₂ H ₄₃ Na ₃ O ₁₀	Retention time (RP₁₈ HPLC)	nd
CAS	nd	CMC	2.2 mM
MW	776.7 g/mol	Exact Mass	776.2549
pKa	na		
Percent composition	C, 64.94; H, 5.58; N, 8.88; O, 20.60		
Stability	Store in <-20°C freezer for up to one year		
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.

TECHNICAL DATA SHEET – CALX8

Restricted use: All Calixar products or derived products shall be used for internal research only excluding any direct or indirect commercial uses. (Under patents rights – For other uses, please contact us at contact@calixar.com).

Limited Use Label License: The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product and progeny, to perform internal research and development for the sole benefit of the purchaser.

Safety: Not known as a hazardous substance or mixture. General industrial hygiene practices must be followed as the use of adapted personal protective equipment for skin and body.

Technical support

For additional product and technical information email our Technical Support team at contact@calixar.com.

Limited product warranty

TO THE EXTENT ALLOWED BY LAW, CALIXAR WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING YOUR USE OF IT.

© 2017 Calixar. All rights reserved. All trademarks are the property of Calixar and its subsidiaries.