

TECHNICAL DATA SHEET – FLAC6

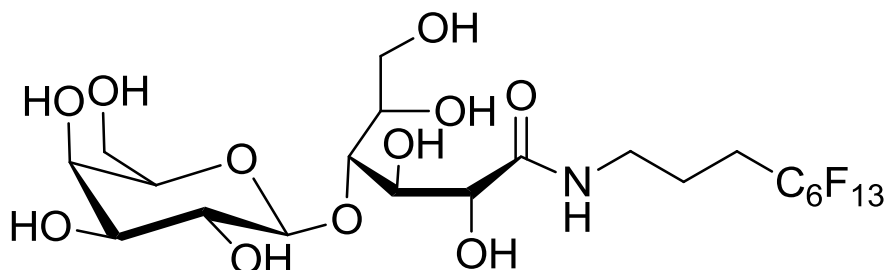
FLAC6

2019

(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononylamine) lactobionamide

Information

Compound Name	FLAC6	Physical state	White powder
Catalogue Number <i>(check availability on CALIXAR's website)</i>	FLAC6_50MG FLAC6_100MG FLAC6_250MG, FLAC6_500MG, FLAC6_1G	Purity (HPLC, 214nm)	≥98%
Molec. Formula	C ₂₁ H ₂₈ F ₁₃ NO ₁₁	Retention time (RP₁₈ HPLC)^b	t _R = 13.8 min
CAS	nd	CMC	0.56 mM (TS)
MW	717.4 g/mol	Exact Mass	717.1455
pKa	na		
Percent composition	C, 35.16; H, 3.93; F, 34.43; N, 1.95; O, 24.53		
Stability	Store in <-20°C freezer for up to one year		
Solubility	Soluble in water (28mM), methanol and DMSO.		
Structure			



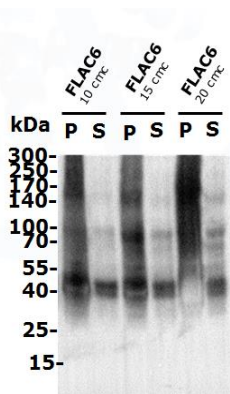
References

1- Lebaupain et al., *Langmuir*, 2006, 22 (21), pp 8881–8890

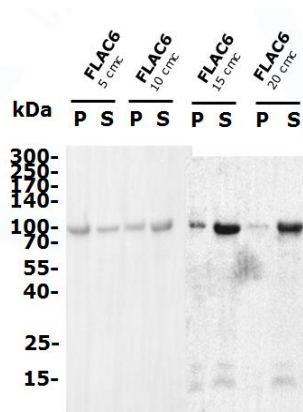
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Biochemical Validation Data

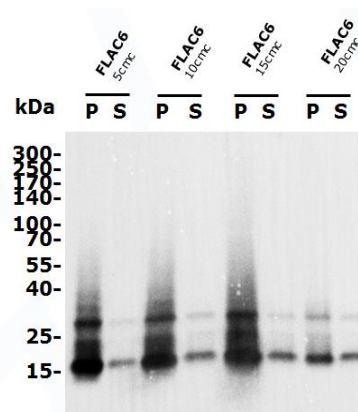
A2a (GPCR)



AcrB (Transporter)



M2 (ion channel)

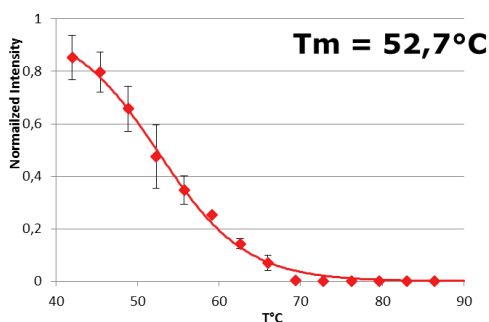


Membrane protein solubilization from various membranes.

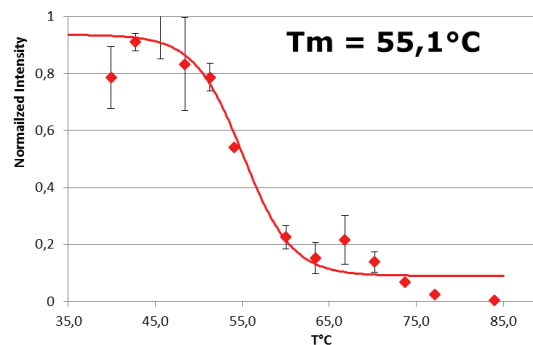
Various targets were extracted from biological membranes by using FLAC6 reagent at 5 to 20-fold the critical micelle concentration (cmc). After solubilization, samples were centrifuged at 100000g. Proteins from pellets (P) and supernatants (S) were separated on a 4-15% Tris-glycine SDS-PAGE, transferred to PVDF membrane and immunodetected with either specific or anti-tag antibodies.

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

A2a



AcrB



Thermalshift assay on membranes solubilized with 15-fold FLAC6 cmc. Unfolding of either A2a receptor or AcrB was followed by western-blotting after applying a temperature gradient and high speed centrifugation.

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