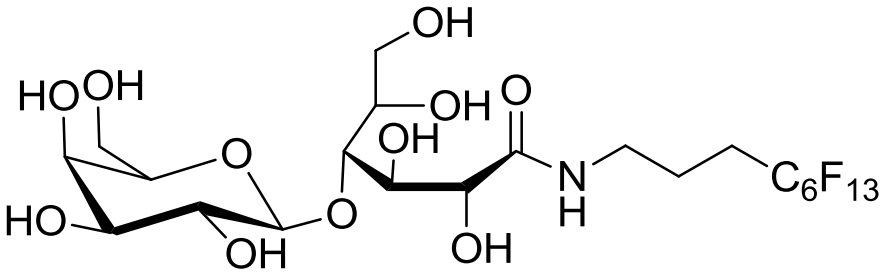
TECHNICAL DATA SHEET – FLAC6

FLAC6

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

2018

Information

Compound Name	*FLAC6*	**Physical state**	*White powder*
Catalogue Number	*FLAC6_250MG, FLAC6_500MG, FLAC6_1G*	**Purity (HPLC, 214nm)**	*≥98%*
Molec. Formula	$C_{21}H_{28}F_{13}NO_{11}$	**Retention time (RP_{18} 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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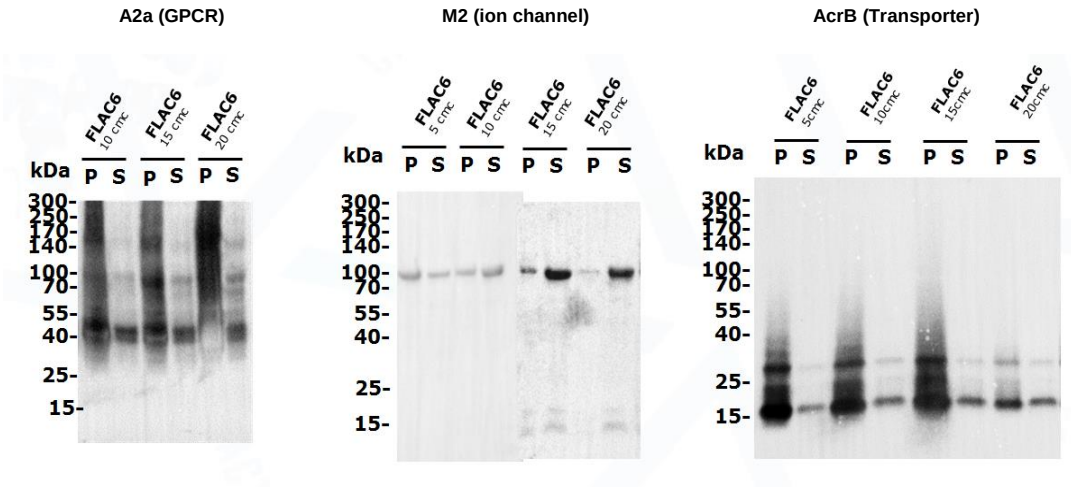
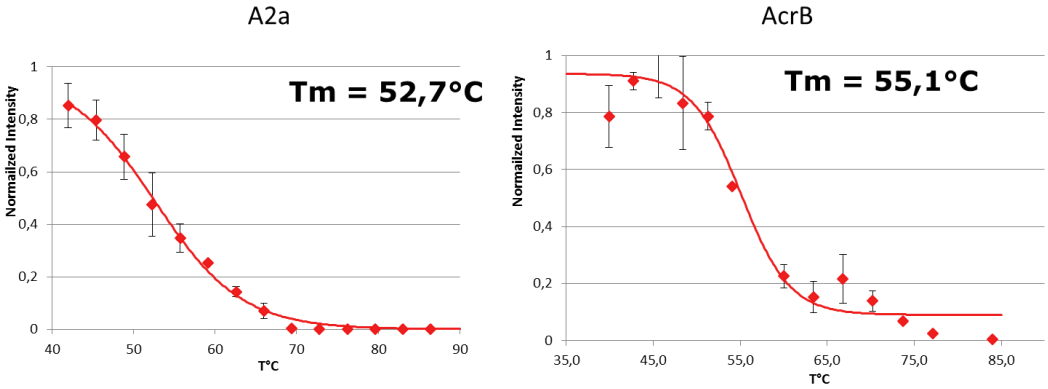
Biochemical Validation Data



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.



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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