

## TECHNICAL DATA SHEET – FTAC6

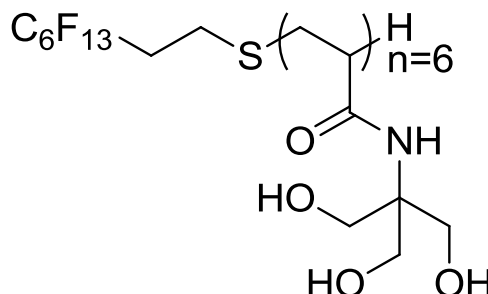
### FTAC6

*S*-(poly(tris(hydroxymethyl)acrylamidomethane)-(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) DP<sub>n</sub>=6

2019

#### Information

<b>Compound Name</b>	FTAC6	<b>Physical state</b>	White powder
<b>Catalogue Number</b> <i>(check availability on CALIXAR's website)</i>	FTAC6_250MG, FTAC6_500MG, FTAC6_1G	<b>Purity (HPLC, 214nm)</b>	90%
<b>Molec. Formula</b>	na	<b>Retention time (RP<sub>18</sub> HPLC)<sup>a</sup></b>	t <sub>R</sub> = 10.5 min
<b>CAS</b>	nd	<b>CMC</b>	0.37 mM
<b>MW</b>	≈1400 g/mol	<b>Exact Mass</b>	nd
<b>pKa</b>	na		
<b>Percent composition</b>	na		
<b>Stability</b>	Store in <-20°C freezer for up to one year		
<b>Solubility</b>	Soluble in water (18.5mM), methanol and DMSO.		
<b>Structure</b>			



#### References

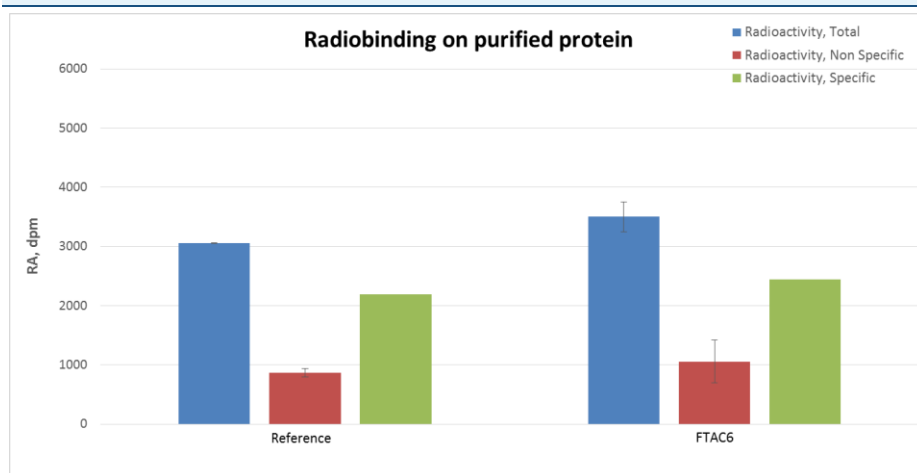
- 1- Damian, M., S. Perino, A. Polidori, A. Martin, L. Serre, B. Pucci and J.-L. Baneres (2007). "New tensio-active molecules stabilize a human G protein-coupled receptor in solution." *Febs Letters* **581**(10): 1944-1950.
- 2- Park, K.-H., C. Berrier, F. Lebaupain, B. Pucci, J.-L. Popot, A. Ghazi and F. Zito (2007). "Fluorinated and hemifluorinated surfactants as alternatives to detergents for membrane protein cell-free synthesis." *Biochemical Journal* **403**: 183-187.
- 3- Joubert, O., R. Nehme, D. Fleury, M. De Rivoyre, M. Bidet, A. Polidori, M. Ruat, B. Pucci, P. Mollat and I. Mus-Veteau (2009). "Functional studies of membrane-bound and purified human Hedgehog receptor Patched expressed in yeast." *Biochimica Et Biophysica Acta-Biomembranes* **1788**(9): 1813-1821.
- 4- Nehme, R., O. Joubert, M. Bidet, B. Lacombe, A. Polidori, B. Pucci and I. Mus-Veteau (2010). "Stability study of the human G-protein coupled receptor, Smoothened." *Biochimica Et Biophysica Acta-Biomembranes* **1798**(6): 1100-1110.
- 5- Park, K.-H., E. Billon-Denis, T. Dahmane, F. Lebaupain, B. Pucci, C. Breyton and F. Zito (2011). "In the cauldron of cell-free synthesis of membrane proteins: playing with new surfactants." *New Biotechnology* **28**(3): 255-261.



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6- Kyrchenko, A., M. V. Rodnin, M. Vargas-Uribe, S. K. Sharma, G. Durand, B. Pucci, J.-L. Popot and A. S. Ladokhin (2012). "Folding of diphtheria toxin T-domain in the presence of amphipols and fluorinated surfactants: Toward thermodynamic measurements of membrane protein folding." *Biochimica Et Biophysica Acta-Biomembranes* **1818**(4): 1006-1012.

### Biochemical Validation Data



**Binding of radioligand on GPCR protein, purified in reference detergent with or without addition of FTAC6 as an additive.**

Purified protein was incubated with radioligand in absence (total, blue bars) or presence (Non Specific signal, red bars) of an excess of cold ligand. After filtration on GF/C membranes and washing, scintillation agent was added and radioactivity was detected using a Microbeta2. Specific radioactivity (green bars) corresponds to (total signal) – (non-specific signal).

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