TECHNICAL DATA SHEET – FTAC8

FTAC8

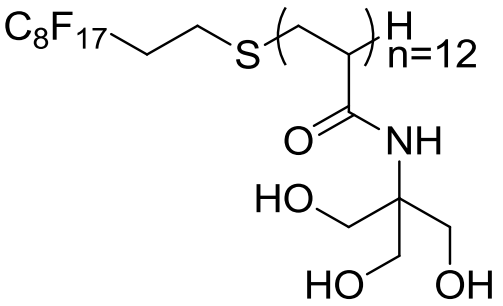
S-(poly(tris(hydroxymethyl)acrylamidomethane)-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorothiodecyl) DPn=12

2019

Information

Compound Name	*FTAC8*	**Physical state**	*White powder*
Catalogue Number *(check availability on CALIXAR's website)*	*FTAC8_250MG, FTAC8_500MG, FTAC8_1G*	**Purity (HPLC, 214nm)**	*88%*
Molec. Formula	*na*	**Retention time (RP_{18} HPLC)[a]**	*t_R = 11.7 min*
CAS	*nd*	**CMC**	*0.02 mM*
MW	*≈2600 g/mol*	**Exact Mass**	*nd*
pKa	*na*		
Percent composition	*na*		
Stability	*Store in <-20°C freezer for up to one year*		
Solubility	*Soluble in water (1mM), methanol and DMSO*		

Structure



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.*

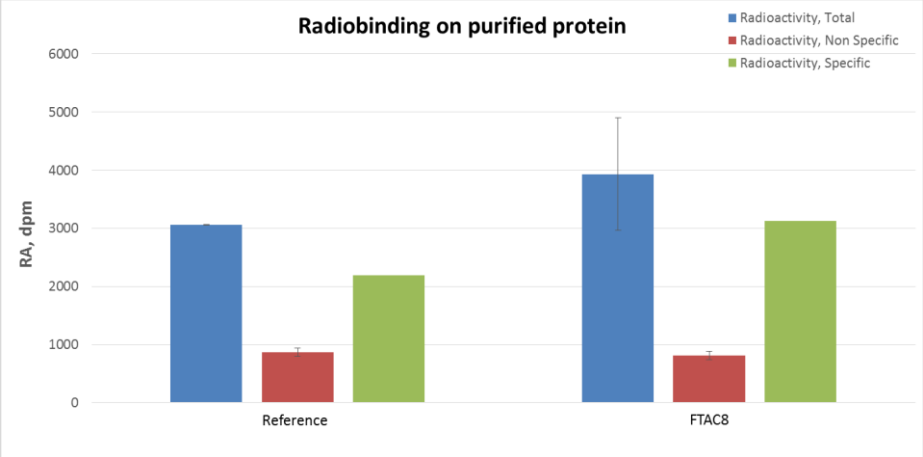
*5- Park, K.-H., E. Billon-Denis, T. Dahmane, F. Lebaupain, B. Pucci, C. Breyton and F. Zito (2011). "In the cauldron of cell-free synthesis of membrane proteins: playing with new surfactants." New Biotechnology **28**(3): 255-261.*

CALIXAR SAS – Share Capital of 118 554 € - SIRET 530 424 670 00020
60 avenue Rockefeller – 69008 Lyon - FRANCE
Tel: + 33 (0)481 076 460 - Fax: +33 (0)481 076 469 - Email: contact@calixar.com
Web: http://www.calixar.com

TECHNICAL DATA SHEET – FTAC8

*6- Kyrychenko, 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 FTAC8 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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60 avenue Rockefeller – 69008 Lyon - FRANCE
Tel: + 33 (0)481 076 460 - Fax: +33 (0)481 076 469 - Email: contact@calixar.com
Web: http://www.calixar.com