

TECHNICAL DATA SHEET – DDLAC

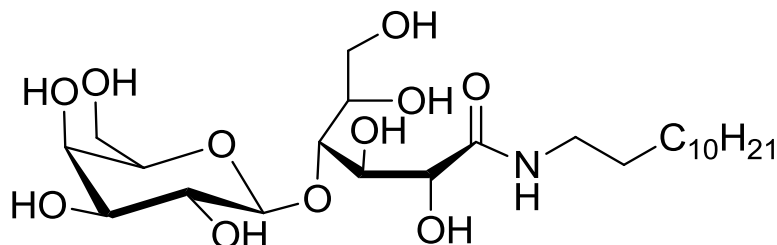
DDLAC

N-dodecylamine lactobionamide

2019

Information

Compound Name	<i>DDLAC</i>	Physical state	<i>White powder</i>
Catalogue Number <i>(check availability on CALIXAR's website)</i>	<i>DDLAC_250MG, DDLAC_500MG, DDLAC_1G</i>	Purity (HPLC, 214nm)	<i>≤95%</i>
Molec. Formula	<i>C₂₄H₄₇NO₁₁</i>	Retention time (RP₁₈ HPLC)^b	<i>t_R = 14.9 min</i>
CAS	<i>nd</i>	CMC	<i>0.25 mM</i>
MW	<i>525.6 g/mol</i>	Exact Mass	<i>525.3149</i>
pKa	<i>na</i>		
Percent composition	<i>C, 54.84; H, 9.01; N, 2.66; O, 33.48</i>		
Stability	<i>Store in <-20°C freezer for up to one year</i>		
Solubility	<i>Soluble in water (1.25mM), methanol and DMSO.</i>		
Structure			

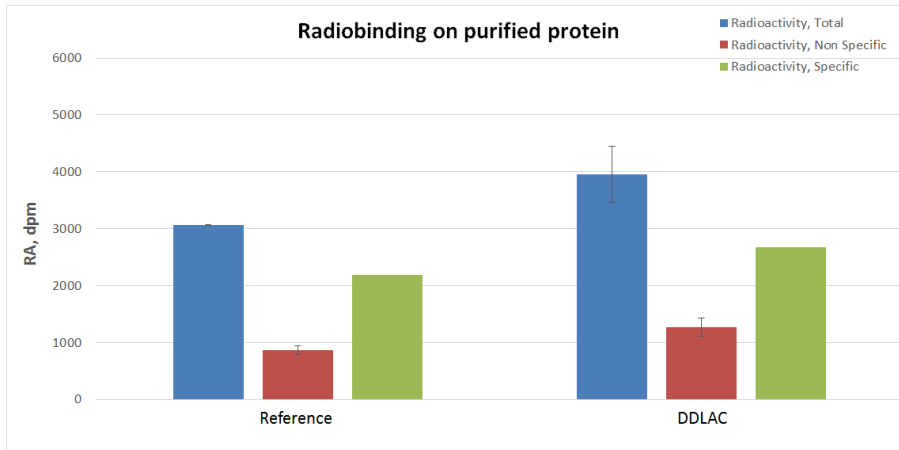


References

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

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Biochemical Validation Data



Binding of radioligand on GPCR protein, purified in reference detergent with or without addition of DDLAC 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).

Restricted use: 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.

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Limited product warranty

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