

## TECHNICAL DATA SHEET – DDLAC

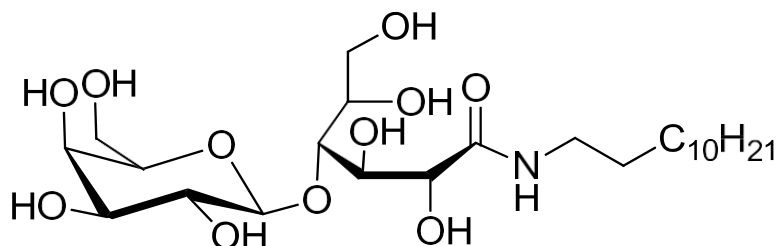
### DDLAC

*N*-dodecylamine lactobionamide

2019

#### Information

<b>Compound Name</b>	DDLAC	<b>Physical state</b>	White powder
<b>Catalogue Number</b> <i>(check availability on CALIXAR's website)</i>	DDLAC_250MG, DDLAC_500MG, DDLAC_1G	<b>Purity (HPLC, 214nm)</b>	≤95%
<b>Molec. Formula</b>	C <sub>24</sub> H <sub>47</sub> NO <sub>11</sub>	<b>Retention time (RP<sub>18</sub> HPLC)<sup>b</sup></b>	t <sub>R</sub> = 14.9 min
<b>CAS</b>	nd	<b>CMC</b>	0.25 mM
<b>MW</b>	525.6 g/mol	<b>Exact Mass</b>	525.3149
<b>pKa</b>	na		
<b>Percent composition</b>	C, 54.84; H, 9.01; N, 2.66; O, 33.48		
<b>Stability</b>	Store in <-20°C freezer		
<b>Solubility</b>	Soluble in water (1.25mM), methanol and DMSO.		
<b>Structure</b>			

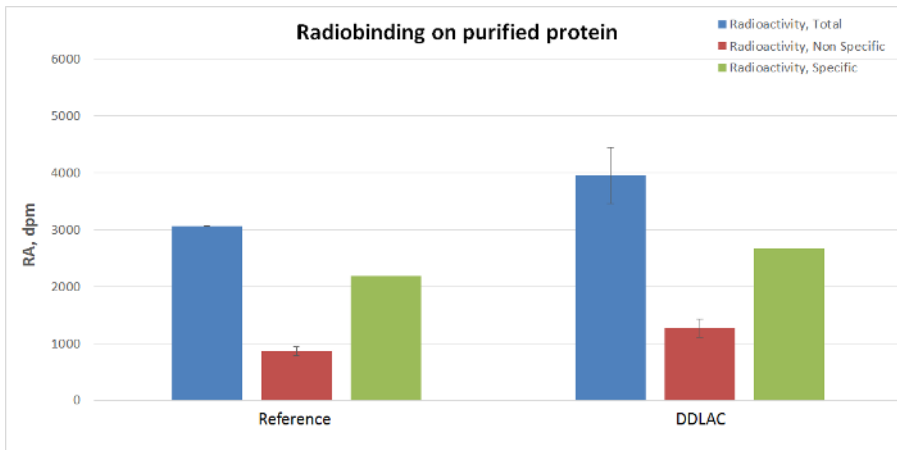


#### References

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).

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**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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