

## TECHNICAL DATA SHEET – DDLAC

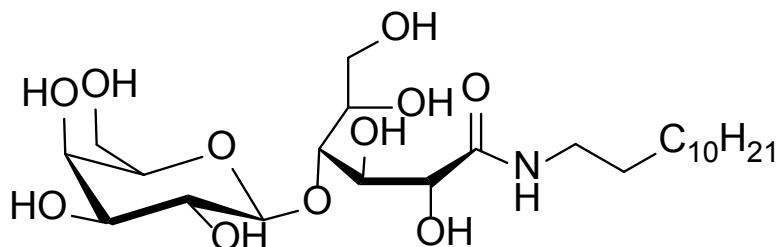
### DDLAC

*N*-dodecylamine lactobionamide

2021

#### Information

<b>Compound Name</b>	<i>DDLAC</i>	<b>Physical state</b>	<i>White powder</i>
<b>Catalogue Number</b>	<i>DDLAC_250MG</i>	<b>Purity (HPLC, 214nm)</b>	<i>98%</i>
<b>Lot #</b>	<i>NK002</i>		
<b>Molec. Formula</b>	<i>C<sub>24</sub>H<sub>47</sub>NO<sub>11</sub></i>	<b>Retention time (RP<sub>18</sub> HPLC)<sup>b</sup></b>	<i>t<sub>R</sub> = 15.04 min</i>
<b>CAS</b>	<i>nd</i>	<b>CMC</b>	<i>0.25 mM</i>
<b>MW</b>	<i>525.6 g/mol</i>	<b>Exact Mass</b>	<i>525.3149</i>
<b>pKa</b>	<i>na</i>		
<b>Percent composition</b>	<i>C, 54.84; H, 9.01; N, 2.66; O, 33.48</i>		
<b>Stability</b>	<i>Store in &lt;-20°C out of direct light</i>		
<b>Solubility</b>	<i>Soluble in water (1.1 mM), methanol and DMSO</i>		
<b>Structure</b>			

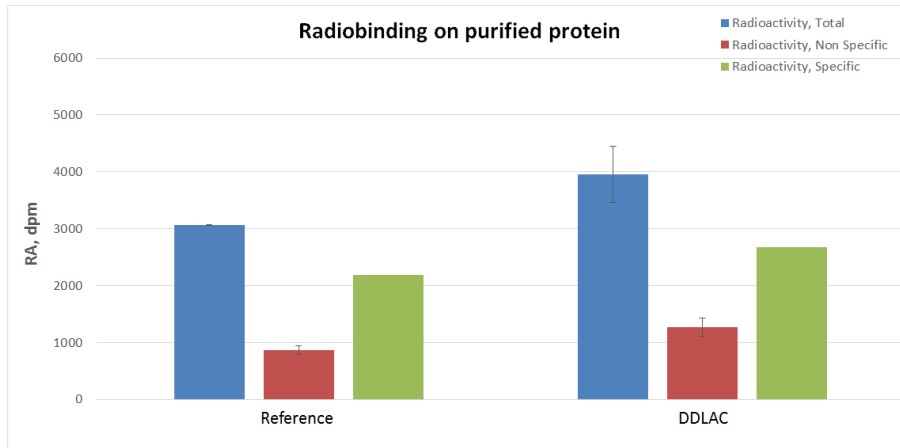


#### References

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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