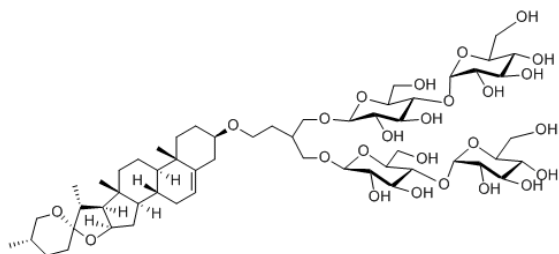
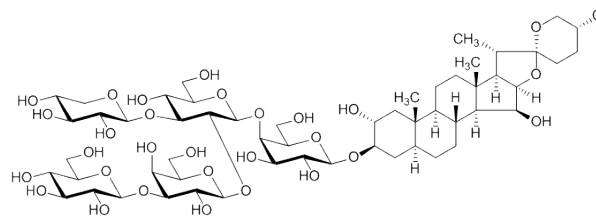


## Need a reason to switch from Digitonin to GDN? How about a whole grid box full?



**GDN**



**DIGITONIN**

- ★ GDN is a synthetic drop-in substitute for Digitonin ideal for the solubilization, purification, and Cryo-EM studies of membrane proteins
- ★ Contains a steroid-based hydrophobic group linked to a di-maltose head group
- ★ Similar formula weight to Digitonin, but a much smaller CMC
- ★ Synthetic nature of GDN eliminates batch-to-batch variability found with Digitonin
- ★ >10% solubility in water
- ★ Contains no harmful toxic byproducts typically found in Digitonin, such as digitoxin, digoxin, and other cardiac and steroidal glycosides
- ★ Greater value than Digitonin
- ★ Used in determining four new membrane protein structures:
  - ★ TPC1 Ion Channel (PDB: 6C98)
  - ★ Piezo1 Ion Channel (PDB 6BPZ)
  - ★ Dimeric F<sub>0</sub> region of yeast mitochondrial ATP Synthase (PDB 6B2Z)
  - ★ GLP1 – G Protein Complex (PDB 5VAI)

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