

Product Name	: Deslanoside
Synonyms	: Deacetyl lanatoside C; Desacetyl lanatoside C
Cat No.	: M21488
CAS Number	: 17598-65-1
Molecular Formula	: C ₄₇ H ₇₄ O ₁₉
Formula Weight	: 943.1
Chemical Name	: 4-((3S,5R,8R,9S,10S,12R,13S,14S,17R)-12,14-dihydroxy-3-(((2R,4S,5S,6R)-4-hydroxy-5-(((2S,4S,5S,6R)-4-hydroxy-6-methyl-5-(((2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)tetrahydro-2H-pyran-2-yl)oxy)-6-methyltetrahydro-2H-pyran-2-yl)oxy)-6-methyltetrahydro-2H-pyran-2-yl)oxy)-10,13-dimethylhexadecahydro-1H-cyclopenta[a]phenanthren-17-yl)furan-2(5H)-one
Description	: Deslanoside is a rapidly acting cardiac glycoside used to treat congestive heart failure and supraventricular arrhythmias due to reentry mechanisms. Deslanoside inhibits the Na-K-ATPase membrane pump resulting in an increase in intracellular sodium and calcium concentrations.
Pathway	: Endocrinology/Hormones
Target	: ATPase
Receptor	: Na ⁺ /K ⁺ -ATPase
Solubility	: —
SMILES	: <chem>C[C@H]1[C@H]([C@H](C[C@H](O)[C@H]2CC[C@]3([C@H](C2)CC[C@H]4[C@H]3C[C@H]([C@]5([C@]4(CC[C@H]5C6=CC(=O)OC6O)C)O)O[C@H]7C[C@H]([C@H]([C@H](O7)C)[C@H]8C[C@H]([C@H]([C@H](O8)C)[C@H]9[C@H]([C@H]([C@H]([C@H](O9)CO)O)O)O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hauptman PJ et al. Digitalis. Circulation. 1999 Mar 9;99(9):1265-70.