

Product Name	: Ouabain
Synonyms	: NSC 25485;Astrobain;Gratibain;Purostrophan
Cat No.	: M19456
CAS Number	: 630-60-4
Molecular Formula	: C ₂₉ H ₄₄ O ₁₂ ·8H ₂ O
Formula Weight	: 728.77
Chemical Name	: 3-(6-Deoxy- α -L-mannopyranosyloxy)-1511a1419-pentahydroxycard-20(22)-enolide
Description	: Ouabain is a selective Na ⁺ /K ⁺ -ATPase inhibitor binds to α 2 / α 3 subunit with Ki of 41 nM/15 nM.
Pathway	: Membrane Transporter/Ion Channel
Target	: Sodium Channel
Receptor	: α 3 α 2
Solubility	: DMSO:93 mg/mL (127.6 mM);Ethanol:93 mg/mL (127.6 mM);Water:<1 mg/mL
SMILES	: <chem>C[C@@H]1O[C@@H](O[C@H]2C[C@@H](O)[C@]3(CO)[C@H]4[C@H](O)C[C@]5(C)[C@H](CC[C@]5(O)[C@@H]4CC[C@]3(O)C2=CC(=O)OC2)[C@H](O)[C@H](O)[C@H]1O</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:

1.Lucchesi PA et al. J Biol Chem 1991 266(14) 9327-9331.