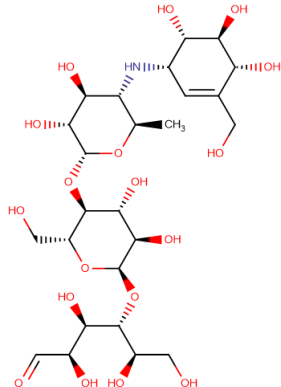


Product Name	: Acarbose	
Synonyms	: BAY-g 5421	
Cat No.	: M15044	
CAS Number	: 56180-94-0	
Molecular Formula	: C ₂₅ H ₄₃ N ₁ O ₁₈	
Formula Weight	: 645.60	
Chemical Name	:(2R,3R,4R,5R)-4-(((2R,3R,4R,5S,6R)-5-(((2R,3R,4S,5S,6R)-3,4-dihydroxy-6-methyl-5-(((1S,4R,5S,6S)-4,5,6-trihydroxy-3-(hydroxymethyl)cyclohex-2-en-1-yl)amino)tetrahydro-2H-pyran-2-yl)oxy)-3,4-dihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-2,3,5,6-tetrahydroxyhexanal	
Description	: Acarbose is an inhibitor of intestinal alpha-glucosidase, used to treat type 2 diabetes mellitus.	
Pathway	: Cytoskeleton/Cell Adhesion Molecules	
Target	: Glucokinase	
Receptor	: α-glucosidase	
Solubility	: Ethanol: 8 mg/mL (12.39 mM); Water: 129 mg/mL (199.81 mM); DMSO: 129 mg/mL (199.81 mM)	
SMILES	: <chem>C[C@H]1O[C@@H]([C@@H]([C@H]([C@@H]1N[C@H]2C=C([C@H]([C@@H]([C@H]2O)O)CO)O)O)[C@H]3[C@@H]([C@H]([C@H](O[C@@H]3CO)O)[C@@H]([C@H]([C@H](C=O)O)O)[C@@H](CO)O)O</chem>	
Storage	: (-20℃)	
Stability	: ≥ 2 years	
Reference	:	

1.Martin AE, Montgomery PA. AmJ Health Syst Pharm. 1996 Oct 1;53(19):2277-90; quiz 2336-7.

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