



Product Information

Melezitose monohydrate

Cat. No.: X24-03-LY215

Size: 1 g; 5 g; 10 g; 25 g

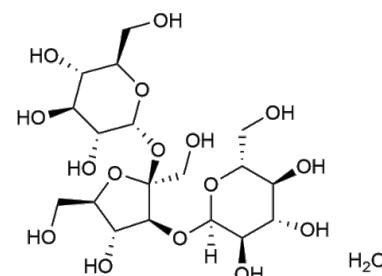
MDL: MFCD00149448

CAS Number: 10030-67-8

PubChem CID: 16217716

Synonym: 10030-67-8; (2*R*, 3*R*, 4*S*, 5*S*, 6*R*)-2-[(2*S*, 3*S*, 4*R*, 5*R*)-4-Hydroxy-2, 5-bis(hydroxymethyl)-2-[(2*R*, 3*R*, 4*S*, 5*S*, 6*R*)-3, 4, 5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxolan-3-yl]oxy-6-(hydroxymethyl)oxane-3, 4, 5-triol;hydrate

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Melezitose monohydrate is a natural organic compound.
Molecular Weight	522.45
Molecular Formula	C ₁₈ H ₃₄ O ₁₇
IUPAC Name	(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>S</i> , 6 <i>R</i>)-2-[(2 <i>S</i> , 3 <i>S</i> , 4 <i>R</i> , 5 <i>R</i>)-4-Hydroxy-2, 5-bis(hydroxymethyl)-2-[(2 <i>R</i> , 3 <i>R</i> , 4 <i>S</i> , 5 <i>S</i> , 6 <i>R</i>)-3, 4, 5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxyoxolan-3-yl]oxy-6-(hydroxymethyl)oxane-3, 4, 5-triol;hydrate
InChI	InChI=1S/C18H32O16.H2O/c19-1-5-8(23)11(26)13(28)16(30-5)32-15-10(25)7(3-21)33-18(15, 4-22)34-17-14(29)12(27)9(24)6(2-20)31-17;/h5-17, 19-29H, 1-4H2;1H2/t5-, 6-, 7-, 8-, 9-, 10-, 11+, 12+, 13-, 14-, 15+, 16-, 17-, 18+;/m1./s1
InChI Key	CFXAVQUXSYFPDE-ZDVKUAOASA-N
Canonical SMILES	C(C1C(C(C(C(O1)OC2C(C(OC2(CO)OC3C(C(C(C(O3)CO)O)O)CO)O)O)O)O)O)O.O
Isomeric SMILES	C([C@@H]1[C@H]([C@@H]([C@H]([C@H](O1)O[C@H]2[C@@H]([C@H](O[C@@]2(CO)O[C@@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)CO)O)O)O)O)O.O
Form	Solid
Purity	≥98%
Applications	Melezitose monohydrate can be used as a medication adjunct to physiotherapy sweeteners and flavor enhancers.
Storage	Store at -20°C.



Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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Hazard Statements	H302-H315-H319-H335
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