



Product Information

(2-Cyclohexylethyl)- β -D-maltoside, Purity $\geq$ 95%

Cat. No.: X25-01-WXX530

Size: 1 g; 2 g; 5 g

MDL: MFCD01862984

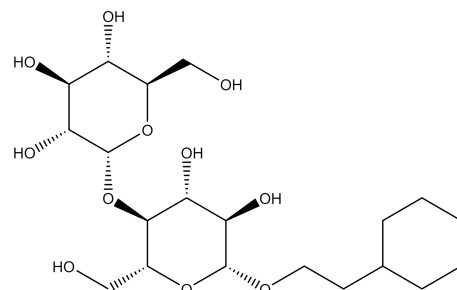
CAS Number: 260804-65-7

Compound CID: 9547906

Synonym: 260804-65-7;

2-Cyclohexylethyl-4-O-(α -D-glucopyranosyl)- β -D-glucopyranoside; 2-Cyclohexylethyl-beta-D-maltoside

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



Product Information

Description	(2-Cyclohexylethyl)- β -D-maltoside is a maltoside derivative where the sugar is linked to differently sized cyclohexyl alkyl chains.
Molecular Weight	452.49
Molecular Formula	C ₂₀ H ₃₆ O ₁₁
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>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>R</i>)]-6-(2-cyclohexylethoxy)-4,5-dihydroxy-2-(hydroxymethyl)oxan-3-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol
InChI	InChI=1S/C20H36O11/c21-8-11-13(23)14(24)16(26)20(29-11)31-18-12(9-22)30-19(17(27)15(18)25)28-7-6-10-4-2-1-3-5-10/h10-27H,1-9H2/t11-,12-,13-,14+,15-,16-,17-,18-,19-,20-/m1/s1
InChI Key	RHXPDNGQJSXOMW-OIIXUNCGSA-N
Canonical SMILES	C1CCC(CC1)CCOC2C(C(C(C(O2)CO)OC3C(C(C(C(O3)CO)O)O)O)O)O
Isomeric SMILES	C1CCC(CC1)CCO[C@H]2[C@@H]([C@H]([C@@H]([C@H](O2)CO)O)[C@@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)O)O)O
Form	Solid
Purity	$\geq$ 95%
Applications	(2-Cyclohexylethyl)- β -D-maltoside is used in biochemistry and biotechnology, such as protein purification, cell culture, and membrane protein research.
Storage	Store at -20°C.