

Product Datasheet

Globotetraosylceramides (porcine RBC) (orb1692356)

Catalog Number	orb1692356
Category	Small Molecules
Description	Globotetraosylceramide, a major neutral glycosphingolipid in human erythrocytes, serves as a receptor for Shiga toxins and parvovirus B19. It is used in research on toxin mechanisms, enamel formation in dental cells, and studies of neurocutaneous disorders like salt and pepper syndrome. This porcine RBC-derived product contains a mixture with variable acyl chains.
Target	Others
MW	1339.7
CAS Number	11034-93-8
Formula	C ₆₈ H ₁₂₆ N ₂ O ₂₃ (for tetracosanoyl)
SMILES	<chem>OC[C@H]1O[C@@H](OC[C@H](NC([R])=O)[C@H](O)/C=C/CCCCCCCCCCCC)[C@H](O)[C@@H](O)[C@@H]1O[C@]2([H])O[C@H](CO)[C@H](O[C@@]3([H])O[C@H](CO)[C@H](O)[C@H](O[C@]4([H])O[C@H](CO)[C@H](O)[C@H](O)[C@H]4NC(C)=O)[C@H]3O)[C@H](O)[C@H]2O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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