

neolactotetraosylceramide α -2,3-sialyltransferase

Cat. No. EXWM-2694

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of transferases, specifically those glycosyltransferases that do not transfer hexosyl or pentosyl groups. This enzyme participates in glycosphingolipid biosynthesis-neo-lactoseries and glycan structures-biosynthesis 2.

Synonyms

sialyltransferase; cytidine monophosphoacetylneuraminate-neolactotetraosylceramide sialyltransferase; sialyltransferase 3; SAT-3; CMP-N-acetylneuraminate:neolactotetraosylceramide α -2,3-sialyltransferase; CMP-N-acetylneuraminate: β -D-galactosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 3)- β -D-galactosyl-(1 \rightarrow 4)-D-glucosyl(1 \leftrightarrow 1)ceramide α -(2 \rightarrow 3)-sialyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.99.10

CAS No.

83745-06-6

Reaction

CMP-N-acetylneuraminate + β -D-galactosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 3)- β -D-galactosyl-(1 \rightarrow 4)-D-glucosyl-(1 \leftrightarrow 1)-ceramide = CMP + α -N-acetylneuraminyl-(2 \rightarrow 3)- β -D-galactosyl-(1 \rightarrow 4)-N-acetyl- β -D-glucosaminyl-(1 \rightarrow 3)- β -D-galactosyl-(1 \rightarrow 4)-D-glucosyl-(1 \leftrightarrow 1)-ceramide

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.