

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-neolactoseries 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.