Creative Enzymes®

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→4)-N-acetyl-β-D-glucosaminyl-(1→3)-β-D-galactosyl-(1→4)-D-glucosyl(1↔1)ceramide α-(2→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→4)-N-acetyl-β-D-glucosaminyl-(1→3)-β-D-galactosyl-(1→4)-D-glucosyl-(1↔1)-ceramide = CMP + α-N-acetylneuraminyl-(2→3)-β-D-galactosyl-(1→4)-N-acetyl-β-D-glucosaminyl-(1→3)-β-D-galactosyl-(1→4)-D-glucosyl-(1↔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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.