Creative Enzymes®

Lactosyl Ceramide, Bovine

Cat. No. COEC-107

Lot. No. (See product label)

Introduction

Description	Lactosyl Ceramide neutral glycosphingolipid (GSL) that is the common precursor of the ganglio-, globo-, globoiso-, lacto-, neolacto-, and muco-series of GSL. Promotes a time- and concentration-dependent proliferation of aortic smooth muscle cells via specific activation of ERK 1 (p44 MAP kinase). Also stimulates Ras-GTP loading, MEK and Raf kinases, p44 MAP kinase, and c-fos expression in human aortic smooth muscle cells.
Applications	An inducer of Ras-GTP loading, MEK and Raf kinases, p44 MAP kinase, c-fos expression
Synonyms	Ceramide β-lactoside

Product Information

Form	Solid
CAS No.	4682-48-8
Molecular Formula	C53H101NO13
Molecular Weight	960.4
Purity	≥98%
Boiling Point	300° C
Solubility	Soluble in ethanol, methanol, chloroform, and chloroform/methanol (91) (10 mg/ml).