

# C12 Galactosylceramide (d18:1/12:0)

**ALTERNATE NAME:** N-[(1S,2R,3E)-1-[(β-D-galactopyranosyloxy)methyl]-2-hydroxy-3-heptadecen-1-yl]-dodecanamide  
N-dodecanoyl-β-D-Galactosylceramide Galactosylceramide (d18:1/12:0) GalCer(d18:1/12:0)

**CATALOG #:** B3375-1 1 mg  
B3375-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>36</sub>H<sub>69</sub>NO<sub>8</sub>

**MOLECULAR WEIGHT:** 643.9

**CAS NUMBER:** 41613-14-3

**APPEARANCE:** Solid

**PURITY:** ≥95%

**SOLUBILITY:** Ethanol

**DESCRIPTION:** C12 Galactosylceramide is a bioactive sphingolipid that inhibits IL-4 production by 53.84% in EL4 T cells when used at a concentration of 10 μM. It reduces the growth of human papillomavirus type 16-associated tumors in mice and reduces tumor recurrence following surgical removal or chemotherapy.

**STORAGE TEMPERATURE:** -20°C. Protect from light

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Glucosylceramidase Activity Assay Kit (Fluorometric) (K2003)  
C2 Ceramide (2390)  
Acid Sphingomyelinase Assay Kit II (Colorimetric) (K192)  
C2-Dihydroceramide (2391)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*