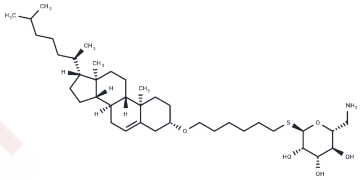
# Data Sheet (Cat.No.T32451)

TargetMol

L 644257

## Chemical Properties



CAS No. : 68354-99-4

Formula: C39H69NO5S

Molecular Weight: 664.03

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

## Biological Description

| | |
|---|---|
| Description | L 644257 is a synthetic glycolipid for study liposomes in vivo. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.506 mL | 7.5298 mL | 15.0596 mL |
| 5 mM | 0.3012 mL | 1.506 mL | 3.0119 mL |
| 10 mM | 0.1506 mL | 0.753 mL | 1.506 mL |
| 50 mM | 0.0301 mL | 0.1506 mL | 0.3012 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference


Ponpipom MM, Hagmann WK, O'Grady LA, Jackson JJ, Wood DD, Zweerink HJ. Glycolipids as host resistance stimulators. J Med Chem. 1990 Feb;33(2):861-7. PubMed PMID: 2299649.

Hagmann WK, Ponpipom MM, Jackson JJ, Wood DD, Boltz RC Jr, Zweerink HJ. Steroidal glycolipid, L-644,257, is a potent enhancer of nonspecific host resistance. Int J Immunopharmacol. 1990;12(2):241-6. PubMed PMID: 2329016.

Schwendener RA, Lagocki PA, Rahman YE. The effects of charge and size on the interaction of unilamellar liposomes with macrophages. Biochim Biophys Acta. 1984 Apr 25;772(1):93-101. PubMed PMID: 6712952.

Wu MS, Robbins JC, Bugianesi RL, Ponpipom MM, Shen TY. Modified in vivo behavior of liposomes containing synthetic glycolipids. Biochim Biophys Acta. 1981 Apr 17;674(1):19-29. PubMed PMID: 7236728.

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