KRN 7000
Item No. 11208

CAS Registry No.: 158021-47-7  
Formal Name: N-[(1S,2S,3R)-1-[(α-D-galactopyranosyloxy)methyl]-2,3-dihydroxyheptadecyl]-hexacosanamide  
MF: C_{50}H_{99}NO_{9}  
FW: 858.3  
Purity: ≥96%  
Stability: ≥1 year at -20°C  
Supplied as: An off-white solid

Laboratory Procedures
For long term storage, we suggest that KRN 7000 be stored as supplied at -20°C. It should be stable for at least one year. KRN 7000 is supplied as a crystalline solid. It is sparingly soluble in organic solvents such as tetrahydrofuran and pyridine.

KRN 7000 is a potent synthetic α-galactosylceramide, which, in association with the antigen-presenting CD1d protein, activates NKT immune cells.1,2 As these cells have important roles in the rejection of malignant tumors and in the regulation of several autoimmune diseases, KRN 7000 has activity in many diseases, including cancer, lupus, diabetes, malaria, and tuberculosis.3-5

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11208

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.