



## 1. Identification

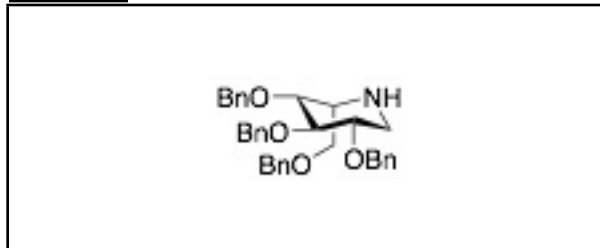
### Catalogue Number

TRC-T289260

### Lot Number

7-AKT-99-1

### Structure



### Product Name

2,3,4,6-Tetra-O-benzyl-1-L-ido-deoxynojirimycin

### Synonyms

[2S-(2 $\alpha$ ,3 $\alpha$ ,4 $\beta$ ,5 $\alpha$ )]-3,4,5-Tris(phenylmethoxy)-2-[(phenylmethoxy)methyl] piperidine

### CAS Number

76738-52-8

### Solubility

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

### Molecular Formula

C<sub>34</sub>H<sub>37</sub>NO<sub>4</sub>

### Source of Product

Synthetic

### Long Term Storage Conditions

-20°C, Hygroscopic

### Molecular Weight

523.66

### Purity

96%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

### Tests

Appearance

### Specifications

Light Orange Oil

### Results

Clear Light Orange Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 77.84, %H: 7.47, %N: 2.56

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-7.8° (c = 0.4, Chloroform)

### Additional Information

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol = 9 : 1; Visualized with UV and AMCS; Single Spot, R<sub>f</sub> = 0.60.

Elemental Analysis: (Theoretical) %C: 77.98, %H: 7.12, %N: 2.67

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

### Reviewed by

NWY

Nicole Yip

### Reviewed by

Toni Rantanen

### C of A Approved by

My Nguyen

### Test Date

10/1/2019

### Retest Date

9/29/2023