

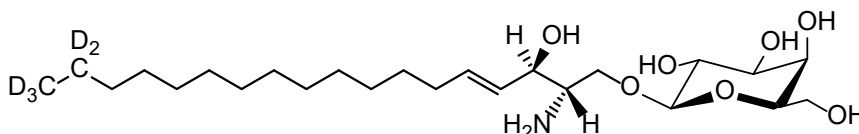
## Deuterated Psychosine Quantitative Mass Spec Internal Standard

Galactosyl(β) Sphingosine-D5 in methanol solution at a target concentration of 1mM, 1mL per ampule, concentration confirmed by Quantitative Proton NMR

**Product Number 330714W-1EA**

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**Physical form** Methanol Solution (1ml per ampule)  
**Storage** -20° C (Freezer)  
**Molecular Weight** 466.663  
**Exact Mass** 466.37  
**Chemical Formula** C<sub>24</sub>H<sub>42</sub>D<sub>5</sub>NO<sub>7</sub>  
**Manufacture date** May 23, 2024  
**Expiration date** One year from date of receipt  
**Lot number** 330714W-1EA-011  
**MLOT Number** 6544WAA011



## Certificate of Analysis

| Test                                                                                 | Limits                                                           | Result                 |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------|
| <b>Mass Spec</b>                                                                     | Consistent with Structure,<br>[M+H] <sup>+</sup> = 467.4 ± 1 amu | Pass                   |
| <b>Concentration by Quantitative Proton NMR</b>                                      | Run and Report                                                   | 0.450 mg/ml<br>0.96 mM |
| <b>Proton NMR</b>                                                                    | Consistent with Structure                                        | Pass                   |
| <b>TLC Analysis</b><br>(Mobile Phase 65:35:8 Chloroform:Methanol:Ammonium Hydroxide) | R <sub>f</sub> consistent with structure,<br>NLT 99% Purity      | Pass                   |
| Ninhydrin                                                                            | Positive                                                         | Positive               |
| Iodine                                                                               | One Major Spot                                                   | One Spot               |
| Phosphorus                                                                           | Negative                                                         | Negative               |
| Char                                                                                 | Positive                                                         | Positive               |
| Wet Dip                                                                              | One Major Spot                                                   | One Spot               |

Approved by: \_\_\_\_\_



Quality Control Representative

Date: August 13, 2024