

## 1. Identification

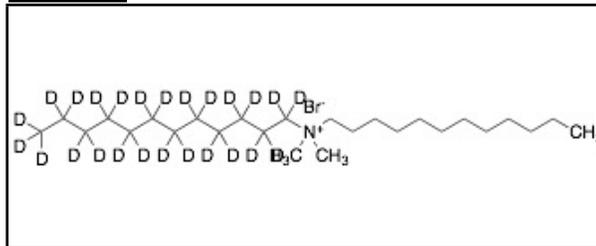
Catalogue Number

D441746

Lot Number

Z-384

Structure



Product Name

Di-n-dodecyl-d25-dimethylammonium Bromide (mono-n-dodecyl-d25)

Synonyms

CAS Number

918897-30-0

Solubility

Chloroform (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>26</sub>H<sub>31</sub>D<sub>25</sub>BrN

Source of Product

Synthetic

Long Term Storage Conditions

20°C

Molecular Weight

487.8

Purity

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

99.46% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.8%

Additional Information

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.00%, d<sub>2</sub> = 0.00%, d<sub>3</sub> = 0.00%, d<sub>4</sub> = 0.00%, d<sub>5</sub> = 0.00%, d<sub>6</sub> = 0.00%, d<sub>7</sub> = 0.00%, d<sub>8</sub> = 0.00%, d<sub>9</sub> = 0.00%, d<sub>10</sub> = 0.00%, d<sub>11</sub> = 0.00%, d<sub>12</sub> = 0.00%, d<sub>13</sub> = 0.00%, d<sub>14</sub> = 0.00%, d<sub>15</sub> = 0.00%, d<sub>16</sub> = 0.00%, d<sub>17</sub> = 0.00%, d<sub>18</sub> = 0.00%, d<sub>19</sub> = 0.00%, d<sub>20</sub> = 0.07%, d<sub>21</sub> = 0.24%, d<sub>22</sub> = 0.68%, d<sub>23</sub> = 3.41%, d<sub>24</sub> = 18.81%, d<sub>25</sub> = 76.79%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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

R. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Nicole Badiali

Test Date

7/15/2025

Retest Date

7/13/2032

Swathi Reddy

Toni Rantanen

Nicole Badiali

Product Quality Specialist

Manager, Quality Assurance

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