Glycerol monolaurate ab142307

Overview

Product name  Glycerol monolaurate
Description  Monoglyceride and naturally occurring surfactant
Biological description  Monoglyceride and naturally occurring surfactant. Antibacterial, active against gram positive bacteria and able to inhibit growth of multiple strains of streptococci and delays exotoxin production. Active \textit{in vivo}.
Purity  > 98%

Properties

Chemical name  2,3-Dihydroxypropyl dodecanoate
Molecular weight  274.40
Chemical structure

\begin{center}
\begin{tikzpicture}
\node (a) at (0,0) {C};
\node (b) at (1,0) {C};
\node (c) at (2,0) {C};
\node (d) at (3,0) {C};
\node (e) at (4,0) {C};
\node (f) at (5,0) {C};
\node (g) at (6,0) {C};
\node (h) at (7,0) {C};
\node (i) at (8,0) {C};
\node (j) at (9,0) {C};
\node (k) at (10,0) {C};
\node (l) at (11,0) {C};
\node (m) at (12,0) {C};
\node (n) at (13,0) {O};
\node (o) at (14,0) {O};
\node (p) at (15,0) {O};
\node (q) at (16,0) {O};
\node (r) at (17,0) {H};
\node (s) at (18,0) {H};
\node (t) at (19,0) {O};
\node (u) at (20,0) {H};
\node (v) at (21,0) {H};
\node (w) at (22,0) {H};
\node (x) at (23,0) {H};
\node (y) at (24,0) {H};
\node (z) at (25,0) {H};
\node (aa) at (26,0) {H};
\node (bb) at (27,0) {H};
\node (cc) at (28,0) {H};
\node (dd) at (29,0) {H};
\node (ee) at (30,0) {H};\end{tikzpicture}
\end{center}

Molecular formula  \( \text{C}_{15}\text{H}_{30}\text{O}_{4} \)
CAS Number  142-18-7
PubChem identifier  14871
Storage instructions  Store at Room Temperature. The product can be stored for up to 12 months.
Handling  Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our \textit{frequently asked questions (FAQ) page} for more details.

SMILES  CCCCCCCCCCCCC(=O)OCC(CO)O
Source  Synthetic

\textbf{Please note:} All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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