

Detergent Screen 1™

HAMPTON
RESEARCH

Solutions for Crystal Growth

Detergent Structures

HR2-410

Detergent 1

0.05 mM ANAPOE® -C₁₂E₉

Structure

Synonyms

Polyoxyethylene(9)dodecyl ether / Thesit® / α-Dodecyl-ω-hydroxy-poly(oxy-1,2-ethanediyl)



Detergent Type

Non Ionic

Chemical Information

CAS Number: [3055-99-0]

Molecular Weight: ~583

Molecular Formula: (C₂H₄O)_nC₁₂H₂₆O, n~9

Detergent 2

0.11 mM ANAPOE® -C₁₂E₈

Structure

Synonyms

Polyoxyethylene(8)dodecyl ether / 3,6,9,12,15,18,21,24-octaohexatriacontan-1-ol



Detergent Type

Non Ionic

Chemical Information

CAS Number: [3055-98-9]

Molecular Weight: 538.77

Molecular Formula: C₂₈H₅₈O₉

Detergent 3

0.17 mM n-Dodecyl-β-D-maltoside

Structure

Synonyms

n-Dodecyl-β-D-maltopyranoside / Lauryl maltoside / Dodecyl 4-O-α-D-glucopyranosyl-β-D-glucopyranoside

Detergent Type

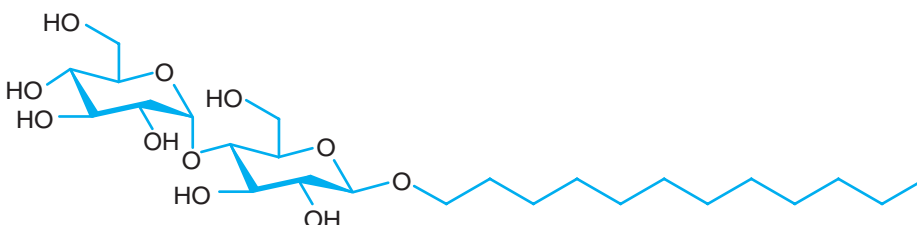
Non Ionic

Chemical Information

CAS Number: [69227-93-6]

Molecular Weight: 510.62

Molecular Formula: C₂₄H₄₆O₁₁



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Detergent 4

0.30 mM Sucrose monolaurate

Structure

Synonyms

β -D-Fructopyranosyl- α -D-glucopyranoside monododecanoate /
Lauroyl sucrose / Dodecanoyl sucrose / Sucrose monododecanoate

Detergent Type

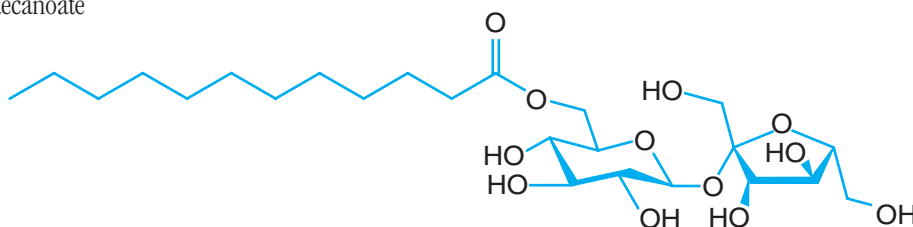
Non Ionic

Chemical Information

CAS Number: [25339-99-5]

Molecular Weight: 524.61

Molecular Formula: $C_{24}H_{44}O_{12}$



Detergent 5

0.56 mM CYMAL® -6

Structure

Synonyms

6-Cyclohexyl-1-hexyl- β -D-maltoside

Detergent Type

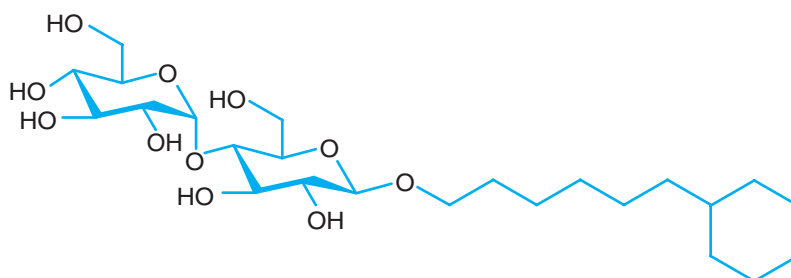
Non Ionic

Chemical Information

CAS Number: [228579-27-9]

Molecular Weight: 508.61

Molecular Formula: $C_{24}H_{44}O_{11}$



Detergent 6

0.90 mM TRITON® X-100

Structure

Synonyms

Octylphenoxy polyethoxy ethanol /
Polyethylene Glycol-p-isooctylphenyl Ether

Detergent Type

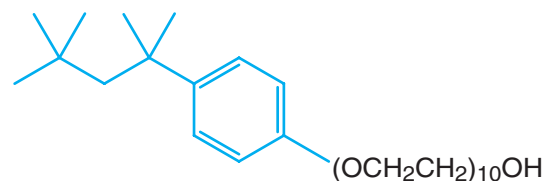
Non Ionic

Chemical Information

CAS Number: [9002-93-1]

Molecular Weight: 650.0

Molecular Formula: $C_{34}H_{62}O_{11}$



Detergent Structures

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Detergent 10

2.0 mM LDAO

Synonyms

Lauryldimethylamine-N-oxide / DDAO / N,N-Dimethyl-1-dodecaneamine-N-oxide / n-Dodecyl-N,N-dimethylamine-N-oxide

Detergent Type

Non Ionic

Chemical Information

CAS Number: [1643-20-5]

Molecular Weight: 229.41

Molecular Formula: C₁₄H₃₁NO

Structure



Detergent 11

5.0 mM CYMAL® -5

Synonyms

5-Cyclohexyl-1-pentyl-β-D-maltoside

Detergent Type

Non Ionic

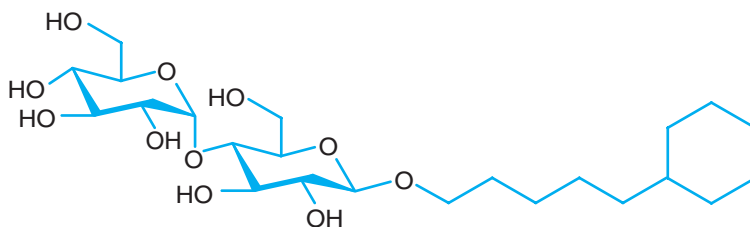
Chemical Information

CAS Number: [250692-65-0]

Molecular Weight: 494.58

Molecular Formula: C₂₃H₄₂O₁₁

Structure



Detergent 12

4.0 mM ZWITTERGENT® 3-12

Synonyms

n-Dodecyl-N,N-dimethyl-3-ammonio-1-propanesulfonate

Detergent Type

Zwitterionic

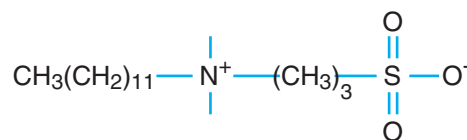
Chemical Information

CAS Number: [14933-08-5]

Molecular Weight: 335.55

Molecular Formula: C₁₇H₃₇NO₃S

Structure



Detergent Structures

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Detergent 13

6.5 mM n-Nonyl-β-D-glucoside

Synonyms

n-Nonyl-β-D-glucopyranoside

Detergent Type

Non Ionic

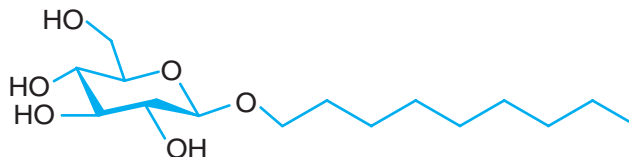
Chemical Information

CAS Number: [69984-73-2]

Molecular Weight: 306.40

Molecular Formula: C₁₅H₃₀O₆

Structure



Detergent 14

9.0 mM n-Octyl-β-D-thioglucoside

Synonyms

n-Octyl-β-D-thioglucopyranoside

Detergent Type

Non Ionic

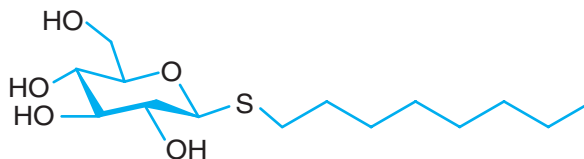
Chemical Information

CAS Number: [85618-21-9]

Molecular Weight: 308.44

Molecular Formula: C₁₄H₂₈O₅S

Structure



Detergent 15

10.4 mM DDAO

Synonyms

N,N-Dimethyldecylamine-N-oxide

Detergent Type

Non Ionic

Chemical Information

CAS Number: [2605-79-0]

Molecular Weight: 201.35

Molecular Formula: C₁₂H₂₇NO

Structure



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Detergent 16

19.5 mM HECAMEG[®]

Synonyms

Methyl-6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside

Detergent Type

Non Ionic

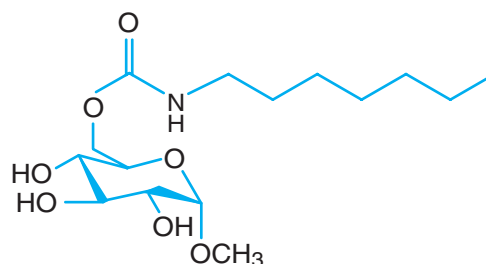
Chemical Information

CAS Number: [115457-83-5]

Molecular Weight: 335.40

Molecular Formula: C₁₅H₂₉NO₇

Structure



Detergent 17

24.4 mM n-Octanoylsucrose

Synonyms

Sucrose monooctanoate /
n-Octanoyl- β -D-fructofuranosyl- α -D-glucopyranoside

Detergent Type

Non Ionic

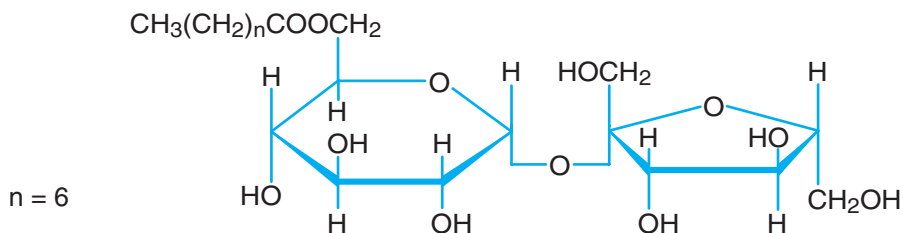
Chemical Information

CAS Number: [N/A]

Molecular Weight: 468.50

Molecular Formula: C₂₀H₃₆O₁₂

Structure



Detergent 18

30.0 mM n-Heptyl- β -D-thioglucofuranoside

Synonyms

n-Heptyl- β -D-thioglucofuranoside

Detergent Type

Non Ionic

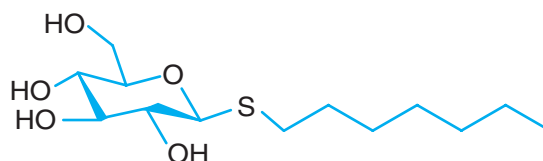
Chemical Information

CAS Number: [85618-20-8]

Molecular Weight: 294.41

Molecular Formula: C₁₃H₂₆O₅S

Structure



Detergent Structures

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Detergent 19

20.0 mM n-Octyl-β-D-glucoside

Synonyms

n-Octyl-β-D-glucopyranoside

Detergent Type

Non Ionic

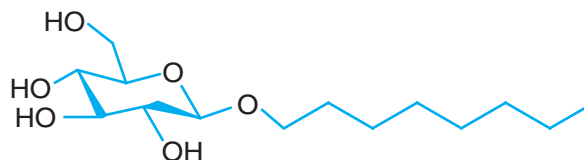
Chemical Information

CAS Number: [29836-26-8]

Molecular Weight: 292.37

Molecular Formula: C₁₄H₂₈O₆

Structure



Detergent 20

34.5 mM CYMAL[®] -3

Synonyms

3-Cyclohexyl-1-propyl-β-D-maltoside

Detergent Type

Non Ionic

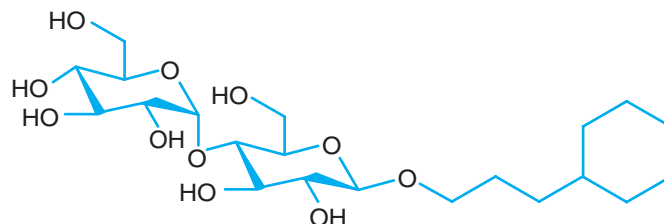
Chemical Information

CAS Number: [181135-58-0]

Molecular Weight: 466.53

Molecular Formula: C₂₁H₃₈O₁₁

Structure



Detergent 21

35.0 mM C-HEGA[®] -10

Synonyms

Cyclohexylbutanoyl-N-hydroxyethylglucamide

Detergent Type

Non Ionic

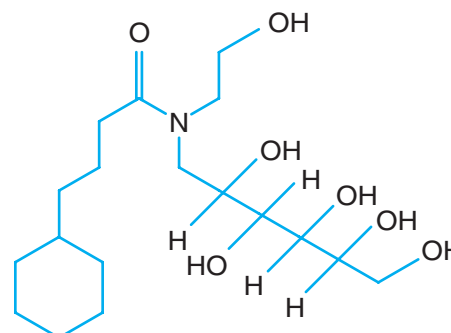
Chemical Information

CAS Number: [864434-15-1]

Molecular Weight: 377.48

Molecular Formula: C₁₈H₃₅N₁O₇

Structure



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Detergent 22

40.0 mM ZWITTERGENT® 3-10

Synonyms

n-Decyl-N,N-dimethyl-3-ammonio-1-propanesulfonate

Detergent Type

Zwitterionic

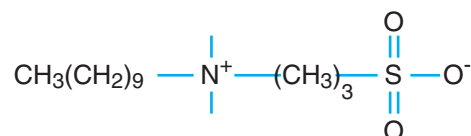
Chemical Information

CAS Number: [15163-36-7]

Molecular Weight: 307.50

Molecular Formula: C₁₅H₃₃NO₃S

Structure



Detergent 23

79.0 mM MEGA-8

Synonyms

Octanoyl-N-methylglucamide

Detergent Type

Non Ionic

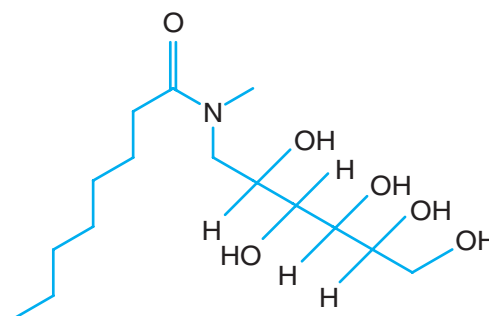
Chemical Information

CAS Number: [85316-98-9]

Molecular Weight: 321.42

Molecular Formula: C₁₅H₃₁NO₆

Structure



Detergent 24

250.0 mM n-Hexyl-β-D-glucopyranoside

Synonyms

n-Hexyl-β-D-glucoside

Detergent Type

Non Ionic

Chemical Information

CAS Number: [59080-45-4]

Molecular Weight: 264.32

Molecular Formula: C₁₂H₂₄O₆

Structure

