

GDGT

Description:

GDGT from *Sulfolobus acidocaldarius* for investigational use only; not for human use

Sample information:

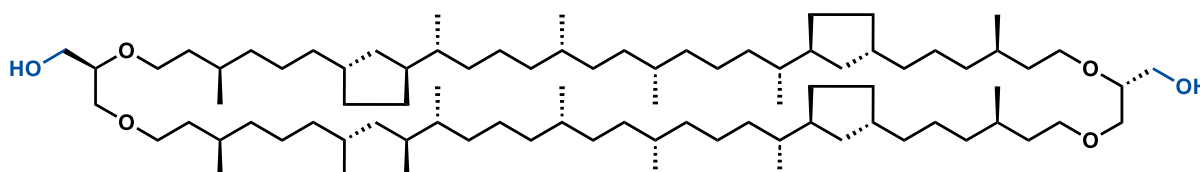
| | |
|----------------------------------|--------------------------------------|
| Product name | Glycerol dialkyl glycerol tetraether |
| Cat.# | 34899 |
| Physical appearance | colorless to slightly yellow oil |
| Solubility in ethanol | 80 mg/mL |
| Solubility in <i>i</i> -propanol | 80 mg/mL |
| Shipment | ambient temperature |
| Storage | 2-8°C or -20 °C |

Sample composition:

| Lipid component | Chemical formula | Purity ² | Molecular mass (g/mol) |
|-------------------|-------------------------------------------------|---------------------|------------------------|
| GDGT ¹ | C ₈₆ H ₁₆₄ O ₆ | ≥93% | 1294.25 |

GDGT... glycerol dialkyl glycerol tetraether

Structure:



Handling information:

Recommended solvents: dissolves in all common organic solvents (e.g. diethylether, dichloromethane, chloroform, THF, *i*-propanol, DMSO...)

For formulation experiments ethanol *absolute* or pure *i*-propanol are recommended as solvent. Note that traces of water, e.g. due to usage of ethanol 96%, lead to formation of a cloudy suspension.

To quantitatively dissolve the product in the original container it is recommended to thoroughly rinse the whole vial and cap with solvent.

¹ The GDGT moiety naturally occurs with 0 to 8 cyclopentane rings, resulting in minor deviations of the molecular mass.

² Based on HPLC-CAD