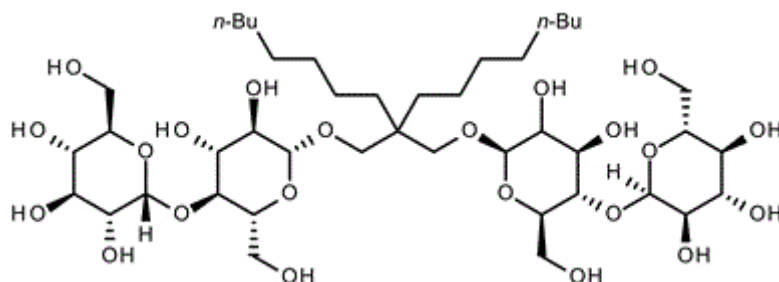


Decyl Maltose Neopentyl Glycol (DMNG)

Cat # Cat # NB-19-0067



Description

Decyl maltose neopentyl glycol (DMNG) is the neopentyl glycol detergent that does not disrupt the AlkB oligomeric state. AlkB is a nonheme di-iron alkane hydroxylase.

Product Information

Codes	NB-19-0067-1G, NB-19-0067-5G, NB-19-0067-25G
Sizes	1g, 5g, 25g
Synonyms:	2,2-dioctyl-1,3-propanediylbis[4-O-α-D-glucopyranosyl-β-D-glucopyranoside]

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₄₃ H ₈₀ O ₂₂
Batch Molecular Weight:	949.08
CAS No.:	[1257852-99-5]
Physical Appearance:	White Powder
CMC:	(H ₂ O) ~ 0.036mM(1) (0.0034%)
pH:	5-8 (1% solution in water)
Conductance:	< 100 μS (10% solution in water)
Absorbance of a 1% solution in water:	260 nm: ≤ 0.15 280 nm: ≤ 0.12 340 nm: ≤ 0.1
Storage:	store at -20°C

Solvent and solubility

Soluble ≥ 20% in water at 20°C

- CAUTION - Not fully tested. For Research use only. Not for human use. -

Biological activity

Very potent, high affinity histamine H₃ receptor agonist (K_i = 0.7 nM). It displays about 200-fold selectivity Over histamine H₄ receptors (K_i = 146 nM).

Analytical data

HPLC: ≥98% all anomers (by HPLC analysis)

Percent Anomer: ≤ 4% anomers other than 1,3-bis-β (HPLC)

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