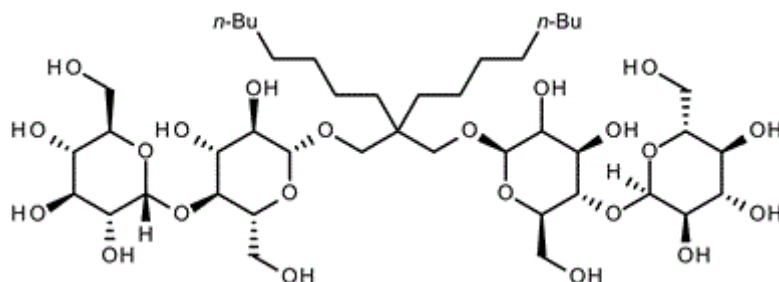


## Decyl Maltose Neopentyl Glycol (DMNG)

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

<b>Codes</b>	NB-19-0067-1G, NB-19-0067-5G, NB-19-0067-25G
<b>Sizes</b>	1g, 5g, 25g
<b>Synonyms:</b>	2,2-dioctyl-1,3-propanediylbis[4-O- $\alpha$ -D-glucopyranosyl- $\beta$ -D-glucopyranoside]

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

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

### Solvent and solubility

Soluble  $\geq$  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 H<sub>3</sub> receptor agonist (K<sub>i</sub> = 0.7 nM). It displays about 200-fold selectivity Over histamine H<sub>4</sub> receptors (K<sub>i</sub> = 146 nM).

## Analytical data

---

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

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

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