Maltohexaose

Cat. No.: HY-N2559

CAS No.: 34620-77-4

Molecular Formula: $C_{36}H_{62}O_{31}$

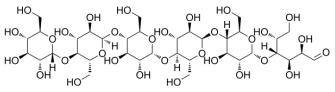
Molecular Weight: 990.86

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: -20°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H_2O : ≥ 250 mg/mL (252.31 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	1.0092 mL	5.0461 mL	10.0922 mL
5 mM	0.2018 mL	1.0092 mL	2.0184 mL
10 mM	0.1009 mL	0.5046 mL	1.0092 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 20 mg/mL (20.18 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

BIOLOGICAL ACTIVITY

Description Maltohexaose is a natural saccharide, and can be produced from amylose, amylopectin and whole starch.

IC_{50} & Target Human Endogenous Metabolite

REFERENCES

[1]. Kainuma K, et al. Isolation and action pattern of maltohexaose producing amylase from Aerobacter aerogenes. FEBS Lett. 1972 Oct 1;26(1):281-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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