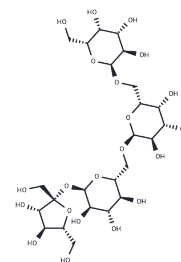


Stachyose

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 470-55-3 |
| Formula: | C ₂₄ H ₄₂ O ₂₁ |
| Molecular Weight: | 666.58 |
| Appearance: | Solid |
| Storage: | store at low temperature store at -80°C |



Biological Description

| | |
|---------------|---|
| Description | Stachyose is an oligosaccharide that inhibits the proliferation of vancomycin-resistant enterococci. Stachyose regulates the intestinal microbiota and attenuates dextran sulfate sodium-induced acute colitis in mice. |
| Targets(IC50) | Endogenous Metabolite, Antibacterial |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 252.5 mg/mL (378.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.5002 mL | 7.501 mL | 15.002 mL |
| 5 mM | 0.300 mL | 1.5002 mL | 3.0004 mL |
| 10 mM | 0.150 mL | 0.7501 mL | 1.5002 mL |
| 50 mM | 0.030 mL | 0.150 mL | 0.300 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Cai-Na Li, et al. Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut microbiota and fecal metabolomics in diabetic mice. *Phytother Res.* 2020 May;34(5):1166-1174.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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