

FT-AX61Q0

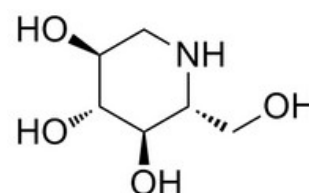


## 1-Deoxynojirimycin

*Potent  $\alpha$ -glucosidase inhibitor, suppresses postprandial blood glucose, thereby possibly preventing diabetes mellitus*

### Product Description

**Catalog #:** AX61Q0, 5mg AX61Q3, 10mg AX61Q2, 25mg AX61Q1, 50mg  
**Name:** **1-Deoxynojirimycin**  
 Duvoglustat  
 CAS [19130-96-2]  
**MW :** 163.17  
**Formula :** C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>  
**Purity :** >98 %  
**Solubility :** H<sub>2</sub>O:  $\geq$  34 mg/mL  
**Storage:** Powder -20°C (3 years) or 4°C (2 years)  
 In solvent -80°C (6 months) or -20°C (1 month)



For Research Use Only

### General informations

1-Deoxynojirimycin (DNJ, Duvoglustat) is a potent  $\alpha$ -glucosidase inhibitor, suppresses postprandial blood glucose, thereby possibly preventing diabetes mellitus. Target:  $\alpha$ -glucosidase 1-Deoxynojirimycin is an alpha-glucosidase inhibitor, most commonly found in mulberry leaves. Although it can be obtained in small quantities by brewing an herbal tea from mulberry leaves, interest in commercial production has led to research on developing mulberry tea higher in DNJ, and on alternate routes of production, such as via Bacillus species.

### References

[1]. Chaluntorn Vichasilp, *et al.* Development of high 1-deoxynojirimycin (DNJ) content mulberry tea and use of response surface methodology to optimize tea-making conditions for highest DNJ extraction. *LWT - Food Science and Technology*. Volume 45, Issue 2, Marc



## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.  
Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information  
Hotline : +33(0)4 70 03 73 06 – [Interbiotech@interchim.com](mailto:Interbiotech@interchim.com)

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