

## Miglustat HCl (N-Butyldeoxynojirimycin), Adenylate cyclase inhibitor- $\alpha$ -Glucosidase inhibitor

Catalog	Unit
TBI2413-5MG	5 mg
TBI2413-25MG	25 mg

### Product Details

**Formal Name:** N-Butyldeoxynojirimycin HCl

**Alternate Names:** NB-DNJ

**Molecular Formula:** C<sub>10</sub>H<sub>21</sub>NO<sub>4</sub> HCl

**Formula Weight:** 255.74

**CAS Number:** 210110-90-0

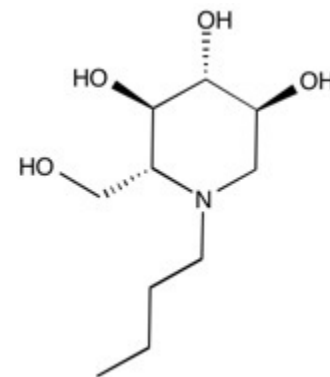
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 20 mg/ml) or in Water (up to 20 mg/ml).

**Storage:** -20°C

**Stability:**  $\geq$  1 year.



### Applications

$\alpha$ -Glucosidase inhibitor

### Functions

Orally active ceramide-specific glycosyltransferase and  $\alpha$ -glucosidase I and II inhibitor. Rescues trafficking-deficient F508del-CFTR in human airway epithelial cells via inhibition of ER  $\alpha$ -glucosidases I and II. Pharmacological chaperone for glucocerebrosidase degradation. Clinically useful agent for Gaucher disease type 1. Stabilizes neurological disorders in Niemann-Pick disease type C.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Water (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

**For research use only.**